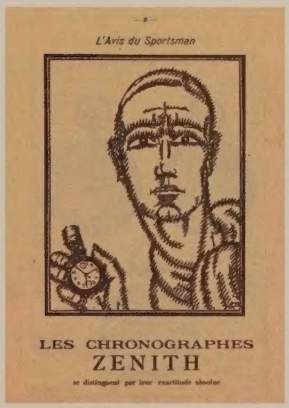
ZENITH

ZENITH

LES CHRONOGRAPHES ZENITH

se distinguent par leur exactitude absolue


L'Avis du Sportsman
LES CHRONOGRAPHES
ZENITH

LES ARTICLES SPÉCIAUX DE ZENITH
LE CHRONOGRAPHE ZENITH

時計の王者
ゼニット
ZENITH

ZENITH

ZENITH
LIFE IS IN THE MOVEMENT

ZENITH
LIFE IS IN THE MOVEMENT

ZENITH
SWISS WATCH MANUFACTURE
ZENITH, THE PIONEER SPIRIT SINCE 1865

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SWISS WATCH MANUFACTURE
ZENITH, THE PIONEER SPIRIT SINCE 1865

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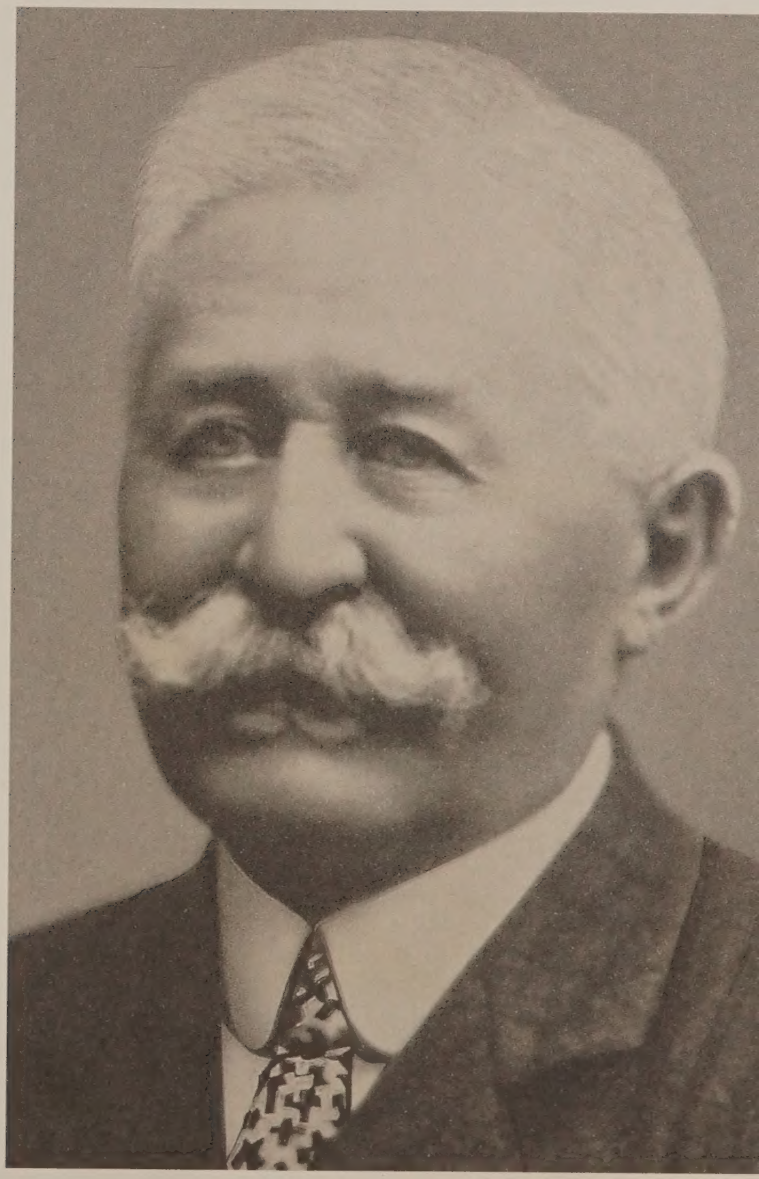
SWISS WATCH MANUFACTURE
ZENITH, THE PIONEER SPIRIT SINCE 1865

Georges Favre Jacot (1843 – 1917)
Founder of the Manufacture in 1865



Casing-up workshop

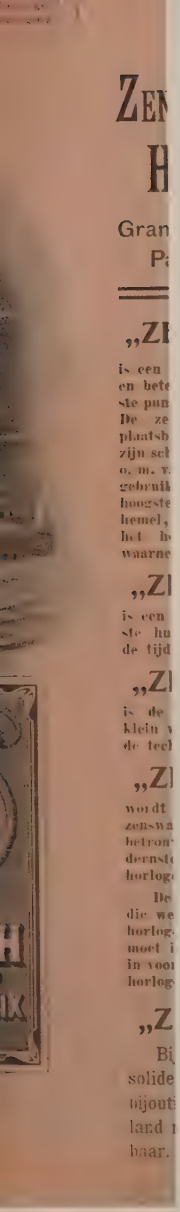
Workshop circa 1900

FABRIQUES DES MONTRES ZENITH • LE LOCLE (Suisse)

VUE D'ENSEMBLE

about
Manufacture, circa 1900

naker developing and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Preface **16**
History of the Manufacture 18
The three ZENITH colors 21
History of ZENITH 24
The ZENITH professions 32
ZENITH, The pioneering spirit 34
Colonel John Blashford-Snell 36
Zenith: putting time on the freeze... 40
History of ZENITH chronographs 42
Summary of prizes awarded to ZENITH 44

Contents

Collection **50**
Academy Christophe Colomb 52
Academy Christophe Colomb Equation of Time 64
El Primero Tourbillon 72
El Primero Rattrapante 82
El Primero Chronomaster Open 92
El Primero Striking 10th 104
El Primero Stratos Flyback Striking 10th 120
El Primero Stratos Flyback 132
El Primero 36'000 VpH 146
El Primero 36'000 VpH – 38 mm 158
Pilot Chronograph 162
Captain Winsor 172
Captain Chronograph 182
Captain Moonphase 196
Captain Power Reserve 204
Captain Dual Time 212
Captain Central Second 220
Charles Vermot 226
ZENITH Heritage Utra Thin 232
ZENITH Heritage New Vintage 1965 244
ZENITH Heritage Port Royal 246
Lady ZENITH Heritage Utra Thin 254
Lady El Primero 36'000 VpH – 38 mm 264

ZENITH The art of detail **268**
Guarantee and Maintenance **274**
List of subsidiaries **276**

It is a Manufacture secret that I am going to reveal. So that a watch is not just an article but becomes a fascinating instrument, not one, not two, but three rules must all apply. Three principles that are going to guide the thousands of precise actions necessary for building a timepiece. To gain a natural understanding of these rules, let's take a close look at three watchmaking enthusiasts: a future customer, a collector and a watchmaker. When they choose the watch that is going to be with them for life, the buyer wants to feel thrilled and the collector is going to add an additional factor: rarity. The watchmaker, unquestionably the most meticulous of all, wants absolute accuracy as well.

Preface
Jean-Frédéric Dufour, CEO of ZENITH

Beauty, Exclusivity and Precision

So that we at ZENITH never forget these essential rules, I created the acronym BEP that summarises the three fundamental values which – in this case – are the trademark of each of our timepieces, instruments conveying Beauty, Exclusivity and Precision. Precision that with us has a name: El Primero. Revealing the inventive genius of the Manufacture, this movement personifies one of the greatest legends of watchmaking. It is currently the most accurate standard mechanical calibre in the world! The secret? The high-frequency balance wheel, the only one to pulse at ten vibrations per second, whereas others attain eight at best. All ZENITH watches incorporate a movement manufactured entirely by us. So you can always entrust us with your ZENITH, old or new; we will be able to maintain it and, if necessary, we will have the tools to restore it. Shortly after I arrived to head the Manufacture, I examined it from top to bottom so that I became steeped in its history. Following on from this initiation, I explored the archives, and discovered some invaluable treasures: original sketches, unknown tools, prototypes that defy the laws of mechanics. It is from the essence of this watchmaking heritage that I draw a large part of the inspiration that guides our collections. New developments are undertaken in accordance with our ancient watchmaking roots. Neo-retro lines, the stuff of legends. High-precision calibres. And strong feelings, those felt when you see our timepieces. My first watch – given to me by my father – sported the ZENITH star. Even though at the time I did not have the wherewithal to allow me to appreciate the worth of my gift, I was literally fascinated by the beauty it exuded, the very same feeling I encountered later when I first fell in love. I still wear it: it tells me the importance of engendering feelings and passing on knowledge.

Georges Favre-Jacot, a visionary watchmaker, was single mindedly committed to the goal of creating the most accurate and reliable watches of his era. To achieve this, he quickly realised he would need to revolutionise the manner of producing his watches.

Various artisans had previously been scattered between various isolated workshops with no real links between them.

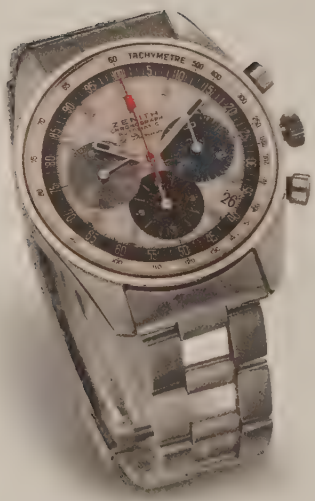
History of the Manufacture

A visionary watchmaker unites all watchmaking professions under one roof

Georges Favre-Jacot, a visionary watchmaker, was single-mindedly committed to the goal of creating the most accurate and reliable watches of his era. To achieve this, he quickly realised he would need to revolutionise the manner of producing his watches. Various artisans had previously been scatterded between various isolated workshops with no real links between them. This made it hard to foster the progress of these complex mechanisms in which all parts interact with the others. Georges Favre-Jacot innovated by building spacious bright buildings uniting all watchmaking professions under one roof for the very first time – and thus enabling appropriate testing of all components and of the complete mechanism. Results followed swiftly, and the combined strength of the various professions exercised under one roof significantly contributed to the advancement of technological and manufacturing processes.

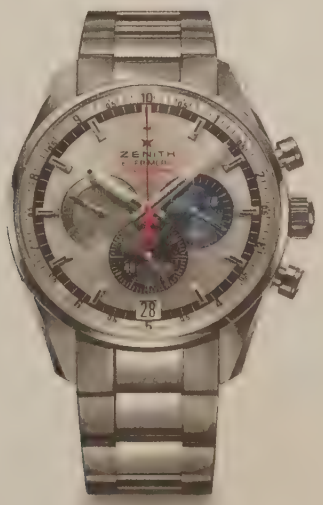
The watches being sent out from Le Locle around the world were indeed the most precise and reliable ever made. ZENITH's destiny was sealed and would henceforth be inextricably linked with timing performance. Representing a rare phenomenon in the watch industry, the Manufacture is currently still located in the exact spot where the founder built his first workshop.

Georges Favre Jacot (1843 - 1917)
Founder of the Manufacture in 1865


TACHYMETRE
ZENITH

The three ZENITH colors

The three different colors embellishing the counters are a distinct feature that recalls the first El Primero chronograph launched in 1969. At that time, dark dials in black and midnight-blue were the fashion, with matching counters. To enhance readability however, ZENITH decided to develop a special three-tone dial. These nuances in tones, laid out in a 3-6-9 configuration, provided superior readability when combined with hands that had been raised off the dial's surface. The selection of a darker color for the hours counter emphasised the impressive length of time it recorded, while the lighter color adopted for the seconds counter symbolised the fleeting nature of time. The midnight-blue selected for the minutes counter set the chronograph's essential measurements midway between the two other shades. These three counter colors were easy to remember and thus facilitated the reading of the chronograph's indications; this same concept has now been revived on the Stratos Striking 10th (midnight-blue for the 60-second counter at 3 o'clock, anthracite-grey for the 60-minute counter at 6 o'clock and light grey for the small-seconds counter at 9 o'clock).



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History of ZENITH

FIRST ZENITH
CHRONOGRAPH MOVEMENT,
acknowledged as one of the most ingenious of its time. Tachymeter and pulsometer are very useful indications of chronographs especially for communication, car races and medicine.

Chronograph pocket watch manufactured in 1912 with 10 minutes retrograde counter, tachymeter and mention "Grand Prix de Paris 1900"

Chronograph pocket watch manufactured in 1913 completely enameled, chronograph function with stepminute recorder

1865 — 1899 — 1915 — 1917

FOUNDATION OF
THE ZENITH MANUFACTURE

FIRST CHRONOGRAPH BY ZENITH
The world was waiting for the Universal Exhibition of 1900 in Paris, where Zenith will be awarded a "Grand Prix"

1917
Signal Corps and Corps of Engineers instruments for US military forces

1.

2.

3.

4.

1. Mono pusher hand-wound chronograph manufactured in 1920

2. Hand-wound chronograph manufactured in 1950 with telemeter

3. Hand-wound chronograph manufactured in 1930 with tachometer and telemeter

4. Mono pusher hand-winding chronograph manufactured in 1920 with tachymeter

Zenith is the leader for instruments in Communication & Transportation

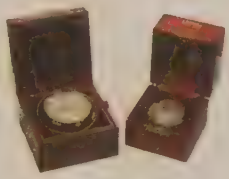
Zenith instruments for aviation

1920 — 1925

ZENITH IS THE LEADING BRAND FOR CHRONOGRAPHS, as well for sports models, the use of the army, and exploration. Very early on, Zenith proposed waterproof wrist chronographs responding to the new needs of society. Furthermore, the brand was one of the official suppliers of the Swiss Post and Telecommunications Office from the 1930s to the 1960s.

1920
The first commercial telephone service was launched between New York and London

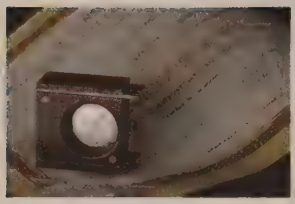
1920
The first ZENITH tourbillon



Zenith Marine Chronometers

Mono pusher hand-winding chronograph manufactured in 1920 with tachometer, offered to an Italian Lieutenant Colonel

History of ZENITH



Ephrem Jobin created the 135 calibre winning 235 chronometry awards for its exceptional precision

First Zenith watch with compass function

Hand-wound military chronograph manufactured in 1930 for the Italian Navy

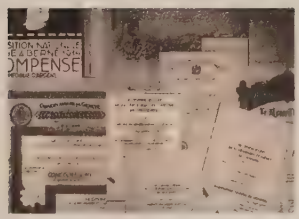
1930 | **1938** | **1940** | **1948**

1930
Mahatma Gandhi began a campaign of non-violent protest against British rule in India and its salt tax

Hand-winding chronograph manufactured in 1940

British Navy Pocket Watch

Hand-wound military chronograph manufactured in 1940



1930-1960
Golden years of the Manufacture obtaining 2,333 Chronometry Prizes

Hand-wound military chronograph manufactured in 1955 with tachymeter and universal hour

Table counter developed for the Swiss Post Offices manufactured in 1950

The Kennedy watch

1950 1955 1960

1950
Treaty of Rome in 1957
establishing the European Common Market

Hand-wound chronograph manufactured in 1950 with calendar and moon phase

Hand-wound chronograph manufactured in 1950

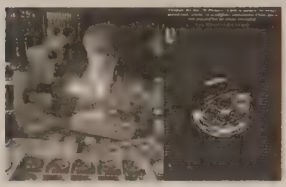
History of ZENITH

THE EL PRIMERO WAS THE FIRST AUTOMATIC INTEGRATED CHRONOGRAPH
with its balance wheel beating at the high frequency of 36'000 VpH and capable of measuring to a 10th of a second. In 1970 ZENITH shows the robustness and the precision of its new movement making it do the Paris-New York flight hung on the landing gear of a Boeing 707. Despite the change of temperature (- 62°C), the low pressure, the altitude (10,700 metres) and the various vibrations, the watch was dutifully working on arrival.

1969
First steps of Humanity on the moon

Military hand-winding chronograph manufactured in 1970 for Italian pilots and distributed by the supplier Cairelli

THANKS TO CHARLES VERMOT'S COURAGEOUS ACT 9 YEARS EARLIER, the El Primero was born again.



1984
Astronauts Bruce McCandless II and Robert L. Stewart made the first untethered space walk.
22nd January

1969 — 1975 — 1984

1.

2.

3.

4.

WHEN THE ORDER CAME FROM THE AMERICAN HEAD OFFICE
which owned Zenith at the time to destroy all machines and tools used to make mechanical watches, Charles Vermot couldn't come to terms with this decision. He hid components and tools, labelling them exactly, in order to preserve more than a century of tradition.

1. El Primero Chronograph manufactured in 1970 with date and tachymeter

2. El Primero Chronograph manufactured in 1973 with date and tachymeter

3. First El Primero Chronograph manufactured in 1969 with date and tachymeter

4. El Primero Chronograph manufactured in 1971 with date, tachymeter and pulsimeter

Launch of the automatic ultra-thin Elite calibre

1985 1994 1997 1999

First ZENITH perpetual calendar

LVMH
MOËT HENNESSY . LOUIS VUITTON

ZENITH joins the LVMH group

Military El Primero chronograph manufactured in 1997 developed for pilots in collaboration with the French Air Force and equipped with flyback, date and telemeter functions

History of ZENITH

Launch of the Open Concept

Launch of the El Primero Striking 10th beating at the high frequency of 36'000 VpH and displaying the 10th of second

2003 — 2006 — 2010

"ZENITH CHRONOGRAPHS EMBODY ALL COMPLICATIONS"

SPLIT- SECONDS CHRONOGRAPH
The split- seconds chronograph is used to time different events that begin but do not end together

TACHYMETER
Chronograph or sports counter with a scale for reading speed in kilometres per hour (km/h) or another unit.

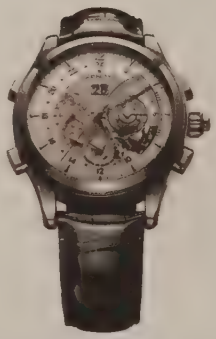
PULSOMETER
A chronograph or sports counter whose dial includes a pulsometric scale to measure the number of heartbeats per minute. Usually calibrated for 15 or 30 beats, the hand is stopped at the patient's 15th or 30th heartbeat, the dial indicates the frequency per minute

FOUDROYANTE
Jumping seconds or hand / Flying second: On a chronograph, a hand that makes one rotation every second, pausing four, five, even eight times to indicate quarters, fifths or eighths of a second. The El Primero Striking 10th is the new generation of foudroyante capable of displaying 10th of a second measurements.

TELEMETER
A chronograph or subdial featuring a telemeter scale used to measure the distance between an event and an observer based on the speed of sound.

FLYBACK
A function of particular use to pilots by which the chronograph hand can be reset to zero and immediately started again by pressing once on the push-piece. Indeed, the operation of stopping, returning to zero and restarting the hand in three separate movements would be too time-consuming at high speed.

AND ALSO
Tourbillon, Zero Gravity, Perpetual Calendar, Minute Repeater, Moon Phase, Retrograde Counter, Compass, Alarm, Open Dial, Retrotimer, Striking 10th.



Launch of the Grand Class Traveler, the most complicated Zenith watch with its 744 components, 11 hands and 46 functions

Launch of the Christophe Colomb, a highly complicated watch requiring 5 years of technical development and exposing a gyroscopic module with its 166 components

Launch of the El Primero Stratos Flyback Striking 10th, the only model with flyback and striking 10th functions

2011

APRIL 5 - 10, 2010
Jean-Louis Etienne, French physician and explorer, flies above the North Pole in the Generali Artic Observer Balloon wearing the El Primero Striking 10th

Alain Thébault's flying trimaran is currently the fastest sailing craft on the planet. He was recorded at a speed of 104.27 km/h (56.3 knots)

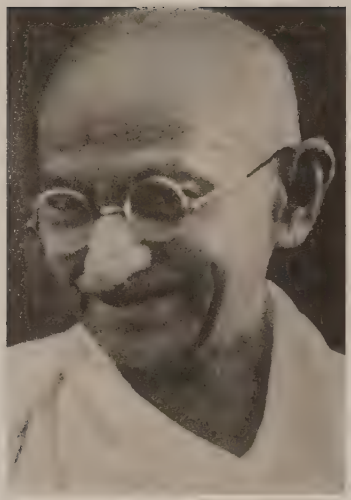
Metrology agent, supplies manager, tool constructor, production controller, quality controller, movement logistics coordinator, technical draughtsman, casing-up specialist, press-worker, material clerk, haute horlogerie watchmaker, prototype-maker watchmaker, watch repairer, production operator, decoration operator, washing operator, polisher, prototype-maker...

The ZENITH professions

The 80 professions of the ZENITH Manufacture

It takes nine months to make a ZENITH watch. During this period, no less than 80 professions in turn devote their talent and expertise to the watch and its components. Technical professions for those involved in miniaturisation, and chronometric feats. Artistic professions for those working with shapes, decoration and materials such as gold, steel and jewels. The range of skills includes logistics, prototype-making, engineering and science, often hidden and secret, such as the researchers who conceived and developed the dry-lubrication concept. All this represents a great deal of talent, knowledge and passion united under a single roof, of which we share just a sampling of names in the following lines:

Metrology agent, supplies manager, tool constructor, production controller, quality controller, movement logistics coordinator, technical draughtsman, casing-up specialist, press-worker, material clerk, haute horlogerie watchmaker, prototype-maker watchmaker, watch repairer, production operator, decoration operator, washing operator, polisher, prototype-maker...



ZENITH, The pioneering spirit

A timepiece is a highly personal and symbolic object, reflecting the nature and character of its owner. Since its founding, the ZENITH Manufacture has embodied the pioneering spirit, and it is this same spirit that inspires the technical design of its movements, in the same way as it motivates those who wear them.

Pioneers! Those men and women who set out to conquer the West, who left to explore and clear thousands of hectares of virgin land, always pushing back the boundaries, the limits of the known world... But in the heart of old Europe, in 1865 – twenty-five years before the saga of the American Frontier officially ended – it was other boundaries that Georges Favre-Jacot was engaged in pushing back. When he founded the ZENITH Manufacture in Le Locle, he was motivated by the ambition to conquer absolute precision. His persistence and inventive spirit soon brought him many successes, by introducing many innovative ideas, the Manufacture soon found itself at the forefront of watchmaking precision. Georges Favre-Jacot's successors also possessed this spirit of discovery and desire to transcend their capabilities. In 146 years of existence, the Manufacture has won 2,333 chronometry prizes (which makes ZENITH the most awarded brand in terms of marine-, pocket- and wristwatches) and has filed 297 patents. This desire to continually aim for ever-greater precision resulted in 1969 in the pioneering invention of the El Primero movement, which opened up the territory of high frequency to watches, together with the possibility of measuring tenths of a second.

"The expression pioneering spirit is what best defines the ZENITH brand. It is what has often opened the way to unexplored realms. It is this capacity to generate new ideas, and then to launch – before anyone else – into new technical developments that fascinates us at ZENITH. Our watches have shared in some of the greatest human adventures : the discovery of the North and South Poles by the explorer Roald Amundsen, Mahatma Gandhi's peaceful struggle to achieve Indian independence, Louis Blériot's crossing of the Channel, John F. Kennedy's political action..."
Jean-Frédéric Dufour, CEO, ZENITH

Colonel John Blashford-Snell, personification of the pioneering spirit

The beginnings of an explorer's vocation

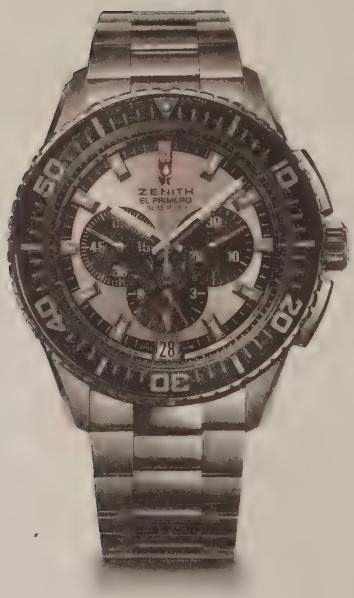
What chronograph can claim to have withstood such a test of its resistance and reliability by spending more than 40 years on the wrist of one of the most tireless explorers of modern times? For that is definitely how Colonel Blashford-Snell is best described. His adventures began in 1968, when the Emperor Haile Selassie of Ethiopia invited the British army to put together an expedition to attempt the first descent of the Blue Nile. John Blashford-Snell was part of this. In 1969, once the mission was accomplished, he returned to England, and founded the Scientific Exploration Society in order to encourage and promote scientific exploration across the world. (It is worth pointing out at this juncture that the El Primero movement was launched that same year).

His expeditions always had scientific, medical, geographical or environmental objectives. After the Blue Nile, he needed a new challenge, which turned out to be one of his most beautiful missions – the British Trans-Americas – crossing the American continent from the extreme north to the extreme south. The main challenge was the crossing of the Darién Gap in a motor vehicle. This is a swampy area, 400 km long, until then thought to be completely impassable (see box). Following this exploit, the "Pan American Highway Authority" administration, responsible for the great road that connects the very north of the Americas, to the extreme south, at last decided to spend the 150 million dollars required to built the last stretch of the Pan American Highway that would cross the Darién Gap, taking the same route as this glorious epic. After this expedition, John Blashford-Snell never again took off the ZENITH El Primero chronograph that was given to him by the watchmaking manufacturer for the occasion.

A life dedicated to exploration and discovery

John Blashford-Snell also took part in new adventures, and the one that first springs to mind is the descent of the entire 4700 km length of the Congo River in 1974-1975. He was also committed to sharing his passion, doing this through the Drake Operation from 1978 to 1980 (a project in which 400 young people from 27 nations took part, sailing a British ship transformed into a floating laboratory which accomplished a number of exploratory missions), followed by the Raleigh Operation from 1984 to 1992. Having retired from the British army in 1991 after 37 years of service, Colonel Blashford-Snell continued to supervise similar projects, also undertaking a series of explorations of South American rivers, seeking archaeological remains and scientific observations (Kota Mama Expeditions). Most recently, from 2009-2010, he directed a hunt for a meteorite in Bolivia and crossed the Nepalese jungle on the back of an elephant. In 2011, he is attempting to launch an expedition in the Gobi desert, Mongolia. At nearly 75, he has lost nothing of his drive! John Blashford-Snell and ZENITH: the same "pioneering spirit". In 1974, John Blashford-Snell was awarded the Segrave Trophy for "Courage, Initiative, Skill and Spirit of Adventure" that he had demonstrated so often, and for his participation in "the Development of Air, Land, River and Sea Transport". The medals awarded to him by the Royal Geographic Society and the Institute of Royal Engineers attest to his missions' contribution to the progress of knowledge. The Colonel is currently president of the Scientific Exploration Society, and has held the Order of the British Empire since 1991 for his action in the context of the Raleigh Operation, which contributed to developing a sense of initiative and responsibility in young people (many of them from underprivileged backgrounds), and making them "true young pioneers".

El Primero Stratos Flyback Limited Edition Tribute to Colonel John Blashford-Snell



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Steel case with Silver Sunray dial
with Black counters
Metal Bracelet
Stainless Steel folding buckle
LIMITED EDITION 500 PIECES

Colonel John Blashford-Snell, personification of the pioneering spirit

ZENITH – a passion for innovation!
Instead of resting on his laurels after the success of the British Trans-Americas expedition, John Blashford-Snell constantly took on new explorations! Similarly, as a remarkable pioneer in its own right, the Manufacture ZENITH could have continued to reproduce identical El Primero mechanisms to the one the colonel has put to the test for its reliability since 1971. Created two years previously, the El Primero calibre was the first mechanical movement in the world to beat at a rate of ten vibrations per second, whereas all existing movements achieved eight vibrations per second at best. But even after having surpassed a barrier that was considered unbeatable, ZENITH remained driven by a tireless spirit of discovery, and was responsible for equipping the El Primero with new complications. ZENITH is currently marketing a 500-piece El Primero Stratos Flyback special edition christened John Blashford-Snell in tribute to its faithful ambassador. The Colonel personally participated in developing the specifications. He wanted "an ultra-resistant instrument with exceptional readability". The result is a steel case and strap, silver-toned dial and black counters for maximum contrast, with Super-Luminova™ on the hands and hour-markers. This "Special Mission" watch is equipped with a flyback function, a unidirectional rotating bezel and a telemetric scale on the inner bezel ring.

ZENITH 133.8 Calibre manufactured in 1950's
Has been tested in the ice of the
Col des Roches glacier

ZENITH Sporto watch manufactured in 1960's
Has been found in a block of ice at 3'000 meters
of altitude

Zenith: putting time on the freeze...

Ice is a symbol of purity and also of eternal preservation of life. It is nonetheless a hostile environment for any precision instrument. The Zenith heritage collection includes two magnificent models made by the Manufacture which have survived ice trials!

The Sporto found in a glacier.
In 1980, when ascending the Tofana Rozes mountain located in the Cortina d'Ampezzo region, an amateur alpinist named Mr Roth found a watch sparkling inside a block of ice at an altitude of around 3,000 metres. An examination of the composition of the ice indicated to him that the watch had probably remained frozen inside for at least 18 months. Having broken off the block of ice, and upon returning to the Guissani mountain refuge, he allowed it to melt in the sun in order to release the watch, which he then opened with an army knife in order to allow the humidity to escape. Once closed up again, it continued running with chronometer-worthy precision thereafter. Indeed, this elegant 1960s Sporto watch still provides accurate time display more than 50 years after its making – despite the lengthy refrigeration period! This achievement is in fact hardly surprising, since the time spent in the ice was allowed for in the protocol of the Zenith test procedure applied to its watches, especially in preparing them for timing competitions.

A historical automatic watch that has done time in the ice of Le Locle
In the 1940s, Zenith management contacted the owner of the Col-des-Roches glacier (at the entrance to Le Locle, Zenith's hometown). It was a cave used to keep the ice that was then used to preserve food, in an era before the advent of refrigerators. Various watches, including this one, were kept in the ice in order to test their reliability and sturdiness. This model, a symbol of an era when tests, even though performed in a less high-tech manner, were nonetheless reliable guarantees of quality, has been running smoothly for over 70 years.

Zenith accompanied Amundsen on his polar expeditions a century or so ago. Now the Manufacture is returning to the poles, both with Jean-Louis Etienne and as part of the Pole2Pole project headed by Johan Ernst Nilson, effectively demonstrating that its enduring mastery of ice transcends time.

DIPLOME
OBSERVATOIRE ASTRONOMIQUE
DE NEUCHATEL (SUISSE)
LE CONSEIL D'ÉTAT
DE LA RÉPUBLIQUE ET CANTON
DE NEUCHATEL
UN PRIX DE SÉRIE
L'OBSERVATOIRE CANTONAL DE NEUCHATEL
Le Locle.
ANTONAL

History of ZENITH chronographs

Chronographs and chronometry awards

Chronographs:
ZENITH precision instruments
In addition to indicating the exact time, a chronograph watch serves to precisely measure the duration of an event, generally during sports competitions, as well as scientific experiments or industrial operations. The ultimate precision instrument, this "useful" complication is not easy to produce, and is reserved for an extremely exclusive circle of movement manufacturers that are genuine precision watchmakers. ZENITH was the first watch brand to produce an integrated column-wheel automatic chronograph movement, the legendary El Primero calibre which also features another technical feat in the shape of its high 10 vibrations per second frequency. Since 1969, it is the series-produced calibre that achieves the greatest level of precision and the only one directly connected to the regulating organ and thus able to truly measure 1/10th of a second.

Precision and reliability are the two most important determining factors when economic, strategic or vital interests are at stake. Resistant to the most extreme conditions and never varying from their accurate measurement, ZENITH chronographs have served and continue to serve aviation, the navy, expeditionary forces and great exploratory missions.

Chronometry awards
ZENITH has won in total:
2,333 chronometry awards
From 1903 to 1968 (more than half a century) ZENITH has been THE LEADER IN CHRONOMETRY for deck and wrist watches winning more awards that any other brand!
From the 2,333 awards,
1,447 were first place prizes
In 1967, ZENITH won the ABSOLUTE RECORD for a series in the chronometer pocket watches category. An absolute record means that until this day it still hasn't been topped. In 1968, ZENITH won the ABSOLUTE RECORD in the board chronometer category.

Summary of prizes awarded to ZENITH

1889: Paris Universal Exhibition: Silver Medal.

1896: Swiss National Exhibition, Geneva, Gold Medal.

1900: Paris Universal Exhibition, Championship prize.

1903: First participation in the Neuchâtel Observatory Chronometric Competition (under the Georges Favre-Jacot name), ranked first in the top prizes in the pocket chronometers of more than 45 mm diameter category, Class 2.

1906: Milan Universal Exhibition, not competing, member of the Panel.

1907: Neuchâtel Observatory: First General prize awarded for the six best Fixed / Pocket chronometers.

1909: At the Bid open to all Swiss manufacturers by the Italian government, ZENITH won the order for 18,500 watches.

1910: 5 First prizes, 2 Second prizes, 2 Third prizes, 1 General prize.

1913: 2 Class A "Especially Good" certficates from Kew, Teddington, 3 Class A certficates from Kew, Teddington.

1914: 2 Class A "Especially Good" certficates from Kew, Teddington, 2 Class A certficates from Kew, Teddington. Swiss national exhibition, Berne, not competing, member of the Panel.

1915: 10 First prizes, 3 Second prizes, 2 Third prizes, 1 General prize.

1916: 11 First prizes, 1 Second prize, 1 General prize.

1919: 1 Second prize, 1 Third prize.

1920: 17 First prizes, 1 Second prize, 1 General prize.

1921: 17 First prizes, 4 Second prizes, 1 Third prize, 1 General prize.

1922: 19 First prizes, 6 Second prizes, 4 Third prizes, 1 General prize, 2 Class A "Especially Good" certficates from Kew, Teddington. At the Bid open to all Swiss manufacturers by the Italian government, ZENITH won the order for15,000 watches.

1923: 22 First prizes, 2 Third prizes, 1 General prize, 4 Class A "Especially Good" certficates from Kew, Teddington. Best result at the Kew National Physical Laboratory, Teddington competition, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1924: 24 First prizes, 4 Second prizes, 4 Third prizes, 1 General prize, 3 Class A "Especially Good" certficates from Kew, Teddington; 1 Class A certficates from Kew, Teddington, Supply of 1,000 watches to Anatolia railways, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1925: 16 First prizes, 15 Class A "Especially Good" certficates from Kew, Teddington. Supply of 2,600 watches to Serbian railways. At the Bid open to all Swiss manufacturers by the Italian government, ZENITH won the order: 15,000 watches. Neuchâtel Observatory: Best General Prize awarded in the "Fixed and Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1926: 14 First prizes, 1 General prize, 1 Class A "Especially Good" certficates from Kew, Teddington. Best result at the Kew National

Physical Laboratory, Teddington competition, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category.

1927: 14 First prizes, 1 General prize, 6 Class A "Especially Good" certificates from Kew, Teddington, Best result at the Kew National Physical Laboratory, Teddington competition, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1928: 12 First prizes, 1 Second prize, 1 General prize, 4 Class A "Especially Good" certificates from Kew, Teddington. Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1929: 22 First prizes, 1 General prize, 1 Class A "Especially Good" Certificate from Kew, Teddington. Barcelona Universal Exhibition, Championship prize. Best result at the Kew National Physical Laboratory, Teddington competition. Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1930: 11 First prizes, 1 General prize.

1931: 17 First prizes, 1 Third prize, 1 General prize, 1 Class A "Especially Good" certificates from Kew, Teddington. Neuchâtel Observatory: Best General Prize awarded in the "Fixed and Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1932: 6 Class A "Especially Good" certificates from Kew, Teddington. Best result at the Kew National Physical Laboratory Teddington competition.

1934: 7 Class A "Especially Good" certificates from Kew, Teddington.

1935: 16 Class A "Especially Good" certificates from Kew, Teddington. Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1936: 12 Class A "Especially Good" certificates from Kew, Teddington.

1937: 5 Class A "Especially Good" certificates from Kew, Teddington.

1938: 10 Class A "Especially Good" certificates from Kew, Teddington.

1939: 6 Class A "Especially Good" certificates from Kew, Teddington, 1 Class A certificates from Kew, Teddington.

1940: 7 First prizes, 1 Second prize, 1 General prize, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category.

1941: First prizes, 1 General prize, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category.

1942: 10 First prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category. Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1943: 12 First prizes, 2 General prizes,

1 Guillaume Prize, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1944: 6 First prizes, 1 General prize, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1945: 15 First prizes, 2 Second prizes, 2 General prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1946: 12 First prizes, 2 Second prizes, 4 Third prizes, 2 General prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1947: 12 First prizes, 5 Second prizes, 2 Third prizes, 2 General prizes.

1948: 20 First prizes, 3 Second prizes, 2 Third prizes, 3 General prizes, Neuchâtel Observatory: Best General prize awarded in the "Strap" category, Neuchâtel Observatory: first chronometer strap to be awarded a prize.

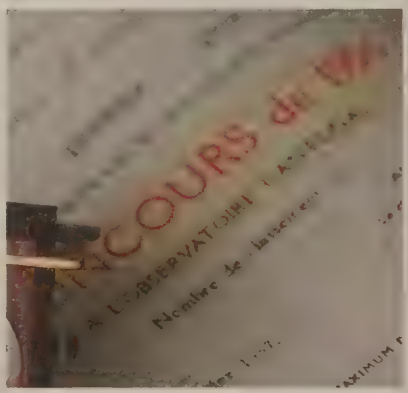
1949: 17 First prizes, 4 Second prizes, 2 Third prizes, 2 General prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category.

1950: 30 First prizes, 1 Second prize, 4 Third prizes, 2 General prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category. Neuchâtel Observatory: Best General prize awarded in the "Strap" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize, Neuchâtel Observatory: First chronometer strap to be awarded a prize.

1951: 26 First prizes, 4 Second prizes, 6 Third prizes, 2 General prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed and Pocket" category, Neuchâtel Observatory: Best General prize awarded in the "Strap" category, Neuchâtel Observatory: First fixed chronometer to be awarded a prize, Neuchâtel Observatory: First chronometer strap to be awarded a prize.

1952: 41 First prizes, 4 Second prizes, 5 Third prizes, 3 General prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category. Neuchâtel Observatory: Best General prize awarded in the "Strap" category, Neuchâtel Observatory: First chronometer strap to be awarded a prize.

1953: 32 First prizes, 5 Second prizes, 2 Third prizes, 3 General prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category, Neuchâtel Observatory: Best General prize awarded in the "Pocket" category, Neuchâtel Observatory: Best General prize awarded in the "Strap" category, Neuchâtel Observatory: First chronometer strap to be awarded a prize.



1954: 36 First prizes, 1 Third prize, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category, Neuchâtel Observatory: Best General prize awarded in the "Pocket" category, Neuchâtel Observatory: Best General prize awarded in the "Strap" category, Neuchâtel Observatory: First chronometer strap to be awarded a prize.

1955: 28 First prizes, 8 Second prizes, 3 Third prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category, Neuchâtel Observatory: Best General prize awarded in the "Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1956: 23 First prizes, 7 Second prizes, 2 Third prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1957: 19 First prizes, 7 Second prizes, 2 Third prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category.

1958: 32 First prizes, 4 Second prizes, 3 Third prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

1959: 39 First prizes, 7 Second prizes, 5 Third prizes, 10 General prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category.

1960: 45 First prizes, 15 Second prizes, 7 Third prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category.

1961: 56 First prizes, 8 Second prizes.

1962: 75 First prizes, 10 Second prizes, 1 Third prize, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category.

1963: 82 Prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category.

1964: 101 Prizes, 3 General prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category, Neuchâtel Observatory: Best General prize awarded in the "Pocket" category, Neuchâtel Observatory: First chronometer strap to be awarded a prize.

1965: 105 Prizes, 3 General prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category, Neuchâtel Observatory: Best General prize awarded in the "Pocket" category, Neuchâtel Observatory: First chronometer strap to be awarded a prize.

1966: 102 Prizes, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category, Neuchâtel Observatory: Best General prize awarded in the "Pocket" category.

1967: 105 Prizes, absolute record for the General prize for manufacturers, pocket chronometer category with n =1.83, which is the best result for regulated spiral balance pieces in removed positions to date, absolute record for the General prize for manufacturers, fixed chronometers category, with n = 1.91, Neuchâtel Observatory: Best General prize awarded in the "Fixed" category, Neuchâtel Observatory: Best General prize awarded in the "Pocket" category, Neuchâtel Observatory: first fixed chronometer to be awarded a prize.

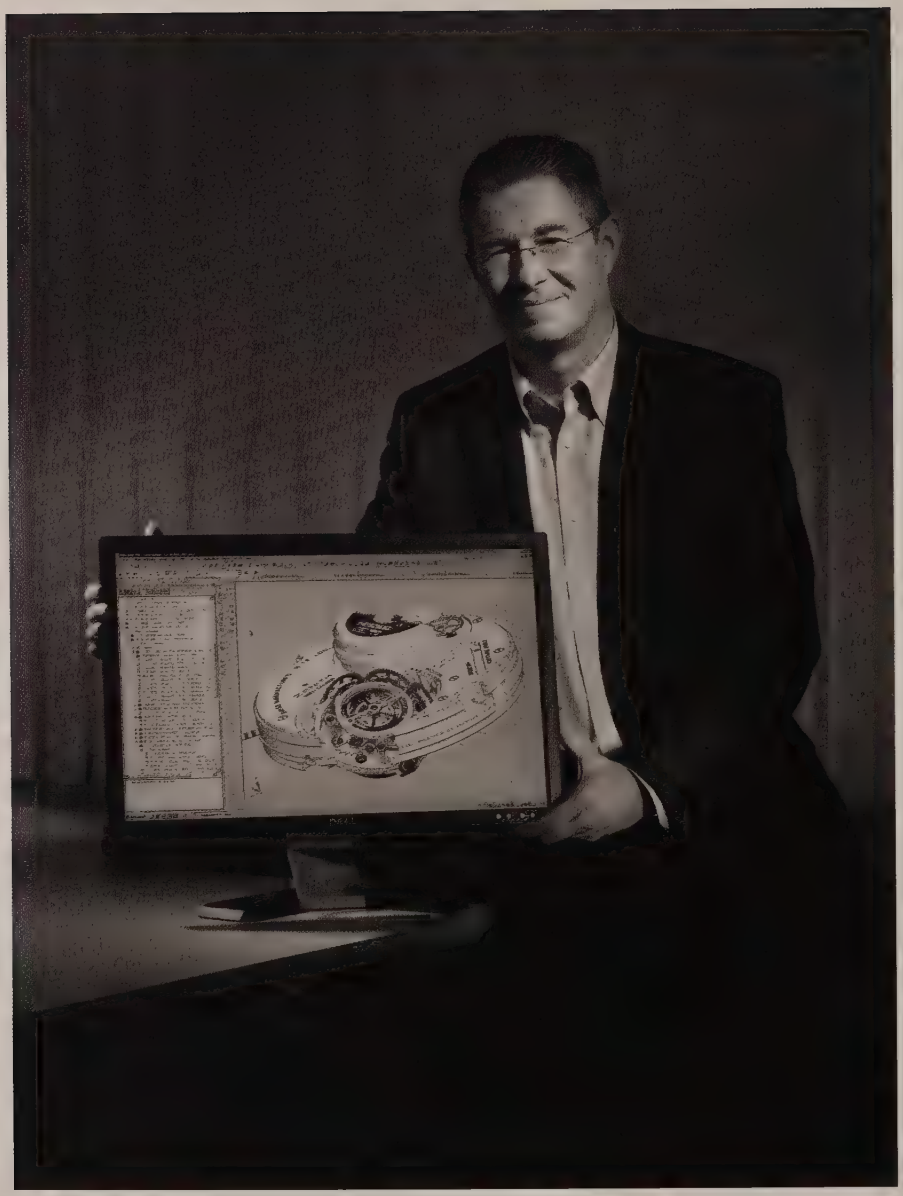
1968: 44 Prizes, 2 General prizes, absolute record for individual pieces. Fixed Chronometers category with n =1.54, which is the best result for pieces with adjusted spiral balance in offset positions to date.

1969: 1969 Baden Baden Golden Rose, Silver Medal for a ZENITH advertising film at the New York festival.

1994: Elite voted the best mechanical movement of the year by the international trade press.

2007: Geneva Championship prize for watchmaking, ZENITH Defy Xtreme Open Stealth Public Prize.

Now in the firmament of watchmaking Manufactures, the ZENITH star reveals its most beautiful masterpieces to the world. Hand-made by craftsmen and with a 160-year history, the ZENITH Tourbillon and Quantième Perpétuel are to watchmaking what art is to form: its ultimate expression.



Haute horlogerie Presentation

Now in the firmament of watchmaking Manufactures, the ZENITH star reveals its most beautiful masterpieces to the world: hand-made by craftsmen and with a 140 year history, the ZENITH Tourbillon and Quantième Perpétuel are to watchmaking what art is to form: its ultimate expression.
The Tourbillon. As one of the great watchmaking complications, it seeks to negate the effects of gravity by enclosing the escapement in a gyroscopic carriage. Combining it with the El Primero movement, the legendary chronograph that beats at 36,000 vibrations per hour, seemed an impossible task. The genius of the micro-engineers at the ZENITH Manufacture met the challenge successfully, thus giving birth to the fastest Tourbillon in the world, the 4005 movement. And because at ZENITH time is not a flat line, just as life can accelerate suddenly – boredom is replaced by desire – the design of the Tourbillon is asymmetric, with numerals evolving in size in crescendo and an off-centered main axis.

The Quantième Perpétuel. An ode to eternity: once it has been assembled, the El Primero 4003 shows, with great precision, the time, date, day, month and year without needing to be adjusted for a century. As a result, time is no longer a matter of an instant, wasted or insufficient, but rather that which becomes generous and constructive, opening up onto infinity.
These exclusive timepieces are made for an extraodrinary man. An aesthete, he loves art, absolute beauty and rare objects. In a world in which nothing lasts and everything dates, this man knows that only exceptional artifacts make History.

Side view of the
Academy
Christopher Column

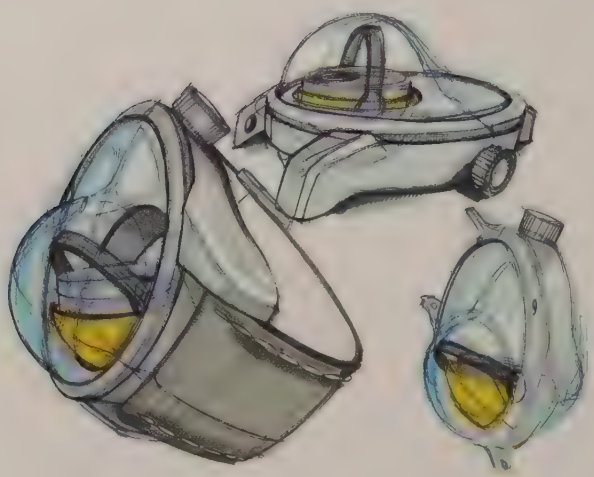
ZENITH presents one of the major [illegible] accomplishments in the watchmaking [illegible] try, a creation that required a full five [illegible] of technical development. While a trad[illegible] tourbillon has approximately 66 compon[illegible] this daring complication comprises [illegible] result is the first wristwatch in [illegible] is completely independent of its [illegible] movements.

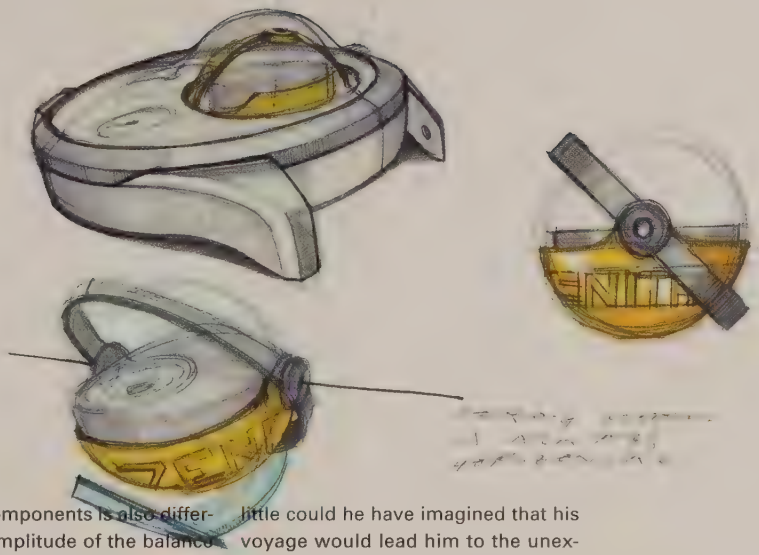
Christophe Colomb
A daring complication

ZENITH presents one of the major recent accomplishments in the watchmaking industry, a creation that required a full five years of technical development

The result is the first wristwatch in which the rate is completely independent of its wearers' movements. Its secret?

A regulating organ that remains in a horizontal position permanently. This challenge is so technically difficult that, until now, no watchmaker has managed to build a successful mechanism. Consider, for a moment, a time-measuring device that must remain flat when its owner is driving, golfing, or skippering a boat: this will give you an exact idea of the project's complexity. Welcome aboard a highly sophisticated watchmaking creation that offsets the effects of the Earth's gravitational field. Between a rough sea and a moving wrist, the problem facing the watchmaker is the same: incessant movement reduces the precision of timekeeping instruments. To improve navigation at sea, the Italian inventor Cardano developed a shipboard compass mounted on gimbals. This instrument vital to survival at sea thus remained in an upright position even when the ship was pitching and rolling on the waves. This system was subsequently used to equip all marine chronometers. ZENITH has drawn its inspiration from this principle to compensate for the effects of movement and gravity. Gravity attracts the escapement components, which operate in different ways according to the direction in which they are attracted. The friction between





the various components is also different and the amplitude of the balance may be disturbed.

We know, however, that the best position for an escapement is the horizontal position, which ensures the best amplitude for the balance and optimum regularity. In a classic tourbillon, the gravitational field is corrected by averaging out the errors. The system corrects 4 positions out of 6 and already enhances precision, although only partially. In the race for extreme precision, the ZENITH complication purely and simply cancels out the damaging effects of gravity on the regulating organ, making this system the ultimate evolution in comparison to existing tourbillon systems.

This watch was named after Christopher Columbus, who was the first explorer to tackle the ocean head-on rather than following the coastlines. The bold Genoese sailor decided to set his course westwards – rather than eastwards like everyone else at the time – in an attempt to reach Cathay (China); little could he have imagined that his voyage would lead him to the unexpected and epoch-making discovery of the New World. A determination to do things differently and freedom of thought: these are the things that link the visionary explorer with the designers of this daring complication.

Academy Christophe Colomb

18.2210.8804/01.C631

Rose Gold case with Silver guilloché dial
Brown Alligator strap
18-carat Rose Gold triple folding buckle
LIMITED EDITION 25 PIECES

MOVEMENT
El Primero 8804, Manual
Unique Gyroscopic system that ensures perfect horizontal positioning of the regulating organ
Gyroscopic carriage made of 175 components
Jewels: 45
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours

FUNCTIONS
Hours and minutes off-centred at 12 o'clock
Self-regulating module
Self-regulating module "Zero-Gravity" at 6 o'clock
Small seconds at 9 o'clock
Power Reserve indicator at 3 o'clock

CASE, DIAL & HANDS
Material: 18-carat Rose Gold
Diameter: 45 mm
Crystal & Case-back: Box-form Sapphire glass with anti-reflection treatment on both sides with excrescent domes that cover Zero-Gravity module.
Water-resistance: 3 atm
Dial: Silver rounded "Grain d'Orge" guilloché pattern with straight "Clou de Paris" on the small seconds counter
Indexes & Numerals: Black lacquered
Hands: Blued Steel

FULL
0
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Academy
Christophe Colomb

35.2210.8804/01.C631

Yellow Gold case with Silver guilloché dial
Brown Alligator strap
18-carat Yellow Gold triple folding buckle
LIMITED EDITION 25 PIECES

65.2210.8804/01.C630

White Gold case with Silver guilloché dial
Black Alligator strap
18-carat White Gold triple folding buckle
LIMITED EDITION 25 PIECES

40.2210.8804/95.C631

Platinum case with Gold guilloché dial
Brown Alligator strap
18-carat White Gold triple folding buckle
LIMITED EDITION 25 PIECES

45.2210.8804/09.C630

White Gold case with diamonds
Full set diamonds dial
Black Alligator strap
18-carat White Gold triple folding buckle
LIMITED EDITION 25 PIECES

Self regulating module
of the Academy
Christophe Colomb

Christophe Colomb Equation of Time

The closest possible reflection of the time here and now

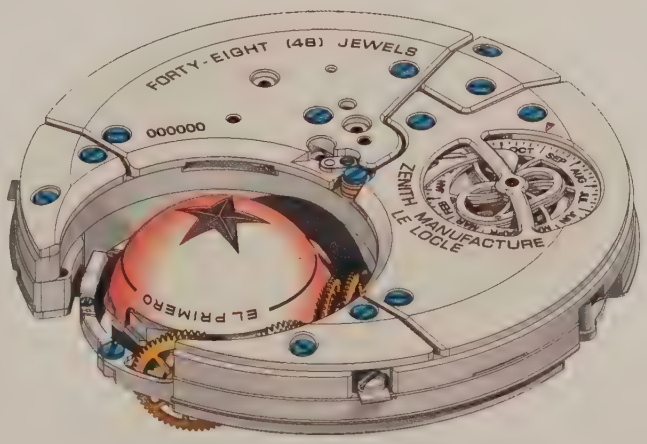
Whoever really thinks when checking their watch that the time shown there is a mere convention? It was for purely practical purposes that the length of a day was defined as an immutable 24-hour duration, whereas it actually varies constantly. The elliptical nature of the Earth's orbit and the inclination of its axis result in a discrepancy that can imply a maximum 16-minute gain or 14-minute loss for conventional time in relation to that shown by a sundial. To put it in clear-cut visual terms, if your watch set a daily date with the sun at the exact moment when its hands indicate noon, the sun would arrive either later or earlier according to the day of the year – and the difference could be over a quarter an hour. There are in fact only four days a year when the two times coincide... ZENITH has equipped its most daring model, Christophe Colomb, with a function displaying what is know as the "equation of time" – meaning the difference between the path of the hands and that of the sun.

What a paradox! Right from its origins, watchmaking has been driven by the ambition to provide the most regular possible account of the passing of time, by methodically eliminating all factors that might impair the isochronism of timepieces. But the time thus measured is in fact abstract and only a mean value, since true time, or astronomical time, is itself affected by a subtle inherent irregularity.

It is precisely this paradox that the Manufacture in Le Locle set out to resolve in developing its prestigious new timepiece. For the first time on a ZENITH watch, a counter at 9 o'clock indicates the equation of time – meaning the number of minutes that must be added or subtracted from civil or conventional time in order to know true solar time. The technical difficulty involved in achieving such a result stems from the fact that this difference in time varies from one day to another, according to a factor that itself variable.

The ∞-shaped curve that astronomers refer to as the analemma curve, and which traces the sun's various positions in the sky as observed at a set time and a same place during an entire calendar year, serves as the basis for calculating the equation of time. The back of this model features a special cam shaped like an analemma curve and which controls the display of the equation of time once the month in progress has been set using a corrector placed on the side at 8 o'clock. Technically speaking, the movement cage had to be shifted and the gear trains rebuilt in order to ensure the perfect symmetry on the dial between the display of the power-reserve and that of the equation of time.

As with the first Christophe Colomb model, the escapement housed beneath the dome of the watch remains in a horizontal position so as to neutralise the effect of wrist movements on the regularity of its 36,000 vibrations per hour – hence the extremely precise measurement and indication of civil time. The double complication represented by the equation of time function and the gimbal suspension escapement system enables this exceptional watch to provide the closest possible reflection of the time here and now.



El Primero 8804Movement
Equation of Time display at
Solar Analemma curve to set Equation of Tim
based on a

65.2220.8808/01.C630

White Gold case with Silver guilloché dial
Black Alligator strap
18-carat White Gold triple folding buckle
LIMITED EDITION 75 PIECES

Academy Christophe Colomb Equation du Temps

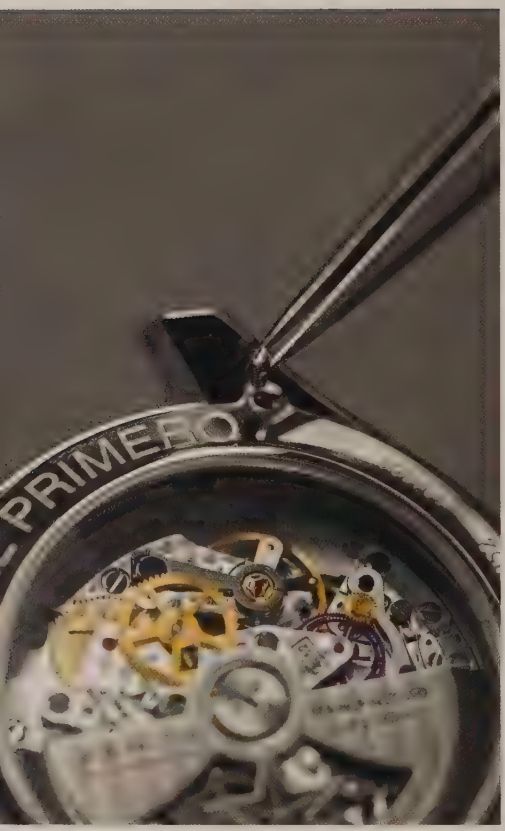
MOVEMENT
El Primero 8808, Manual
Unique Gyroscopic system that ensures perfect horizontal positioning of the regulating organ
Calibre: 16½ ``` (Diameter: 37 mm)
Thickness: 5.85 mm
Components: 359
Gyroscopic cage made of 167 components
Jewels: 48
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours

FUNCTIONS
Dial side:
Hours and minutes off-centred at 12 o'clock
Self-regulating module "Zero-Gravity" at 6 o'clock
Equation of Time display at 9 o'clock
Power Reserve indicator at 3 o'clock
Caseback side:
Solar Analemma curve to set Equation of Time based on annual calendar

CASE, DIAL & HANDS
Material: 18-carat White Gold
Diameter: 45 mm
Crystal & Case-back: Box-form Sapphire **glass with** anti-reflection treatment on both sides with excrescent domes that cover Zero-Gravity module.
Water-resistance: 3 atm
Dial: Gold with handmade Silver rounded "Grain d'Orge" Guilloché
Indexes & Numerals: Black lacquered
Hands: Blued Steel

Back of the
Academy Christophe Colomb
Museum of Time

El Primero, the legendary Swiss [illegible] movement. The world's most accurate [illegible] produced mechanical movement. [illegible] carefully! Here before you is the most [illegible] movement in watchmaking history, the [illegible] that every enthusiast around the [illegible] capable of naming.



very first time provides visibility of the smallest fraction of time measured by a series-produced mechanical movement, meaning tenths of a second. ZENITH fully masters all facets of fine watchmaking, and its successive interpretations of this art all embody decisive differences and embody innovative characteristics.

Over the past decades, the brand has invented and produced tourbillons, Open models, power-reserve, large-date, split-second, minute repeater and perpetual calendar watches, as well as others with moon phases and day/night indication, alarm functions and an exceptionally complex creation: the Zero Gravity tourbillon. Year after year, the history of the El Primero is being steadily written with its twists and turns, its technological breakthroughs, and its refined new features.
This Calibre symbolising the "star" brand expresses the inner strength of our creations. A hidden strength that nothing and no-one can alter once it is set into movement, and which – unperturbed by changing fashions and trends – pursues its path with unswerving constancy. El Primero, its heart beats faster. Yours too.

Technical developments
The guardian of precision
Inventiveness and technical feats drive our developments. One of the brand's latest technical developments is the El Primero Striking 10th, a jumping seconds chronograph which for the

El Primero, the legendary Swiss watch movement. The world's most accurate series-produced mechanical movement

El Primero

Look at it carefully! Here before you is the most famous movement in watchmaking history, the one that every enthusiast around the world is capable of naming.

It is currently the world's most accurate series-produced movement. Its secret lies in the cadence of its balance. While the others generally perform 8 vibrations per second at best, the El Primero Calibre beats 10 times in that same second.

Its development has been accompanied by a number of breakthrough innovations, including dry lubrication that ensures excellent long-term stability, and the power reserve that had to be optimised to match the higher and more energy-consuming frequency. All ZENITH watches are equipped with a proprietary ZENITH movement.
Few brands in the world can lay claim to such a rigorous approach. When you opt for a ZENITH timepiece, you enjoy the absolute certainty of owning a watch produced from start to finish in the Manufacture of Le Locle. This fundamental requirement entails a need for calibres that has resulted in the creation of 180 different movements interpreted in 500 variations.

Impressive figures
Producing a movement

Making an El Primero movement involves:

9 months of work | 20 watchmakers | 5,500 operations | 50 milling operations on the dial side | 77 other milling operations on the bridge side | 5 to 50 operations per component | 18 different metals in the classic version.

30
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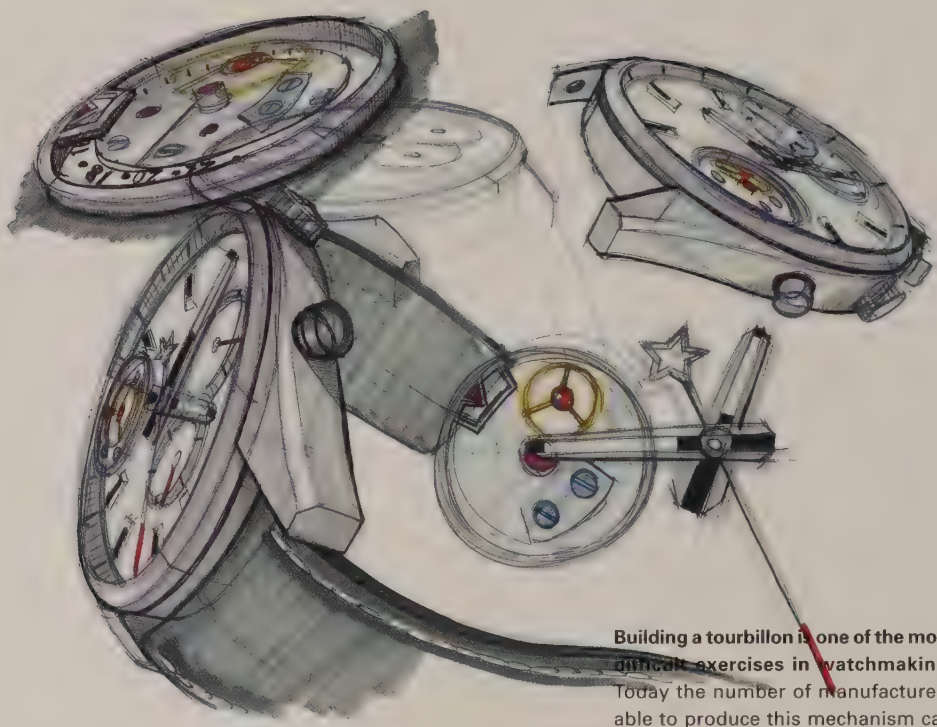
SWISS

El Primero
Tourbillon

Building a tourbillon is one of the most diffi-
cult exercises in watchmaking and today the
number of manufacturers able to produce
this mechanism can be counted on the fin-
gers of one hand.



Building a tourbillon is one of the most difficult exercises in watchmaking. Today the number of manufacturers able to produce this mechanism can be counted on one hand. An "in-house" tourbillon is proof of a maker that has and is able to employ traditional watchmaking expertise. At ZENITH however, we are never merely content with a single difficulty, however complex it may be. Our tourbillon is coupled with a chronograph calibre – another watchmaking complication – which pulses at high frequency, a third difficulty. It is the only one on the market to have such a complex mechanism, designed as it is to achieve the very highest chronometric performance.

genius and a technical achievement,

ZENITH tourbillon
Three watchmaking feats

This is a unique tourbillon in more ways than one. It reveals its rotating carriage in the upper left part of the dial, which incorporates a date. This asymmetric design enhances the mechanism of the tourbillon, visible through the opening in the dial, while retaining fine proportions and the elegance of the lines. The date is displayed in the opening of a window created as a single piece with the bridge – a patented system. The caliber of the automatic El Primero chronograph is the very heart of its movement. Although the high frequency used by this extraordinary power unit gives the greatest accuracy, it also demands extra power. To maintain the running time, ZENITH's designers developed an in-line escapement which offsets the spiral balance to the edge of the rotating carriage. The result is a tourbillon and high frequency automatic chronograph with a running time of over 50 hours. The calibre has 380 components with 67 of them in the rotating carriage. The thickness of the two however is barely 1 mm more than the movement of the original El Primero chronograph. The tourbillon is in two models: steel or rose gold, with 3 hour and 6 hour subdials. Directly connected to the tourbillon carriage, it performs a revolution in 60 seconds. A mechanical work of the ZENITH tourbillon is currently the only one to pulse at high frequency, i.e. its balance moves to and fro twenty five percent faster than other constructions. If you appreciate chronometric achievement, you will really love this masterpiece.

El Primero Tourbillon

18.2050.4035/01.C713

Rose Gold case with Silver Sunray dial
Brown Alligator strap
18-carat Rose Gold triple folding buckle

MOVEMENT
El Primero 4035 D, Automatic
Calibre: 16½ ``` (Diameter: 37 mm)
Thickness: 7.55 mm
Components: 325
Jewels: 35
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours
Finishes: 18-carat Gold or Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Tourbillon:
The carriage is positioned at 11 o'clock
The carriage makes one turn per minute
The small second is on the carriage
The date is positioned around the carriage
Chronograph:
Central seconds hand
30-minute counter at 3 o'clock
12-hour counter at 6 o'clock

CASE, DIAL & HANDS
Material: 18-carat Rose gold
Case Diameter: 44 mm
Diameter opening: 39 mm
Crystal: Box-form Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 10 atm
Dial: Silver Sunray
Indexes: Rhodium Faceted with Gold plating with Superluminova SLN C1
Hands: Rhodium Faceted with Gold plating with Superluminova SLN C1

ZENITH
EL PRIMERO

El Primero Tourbillon

45.2050.4035/09.C714

White Gold case with diamonds
Full set diamonds dial
Black Alligator strap
18-carat White Gold triple folding buckle

65.2050.4035/91.C714

White Gold case with Slate Grey Sunray dial
Black Alligator strap
18-carat White Gold triple folding buckle

03.2050.4035/21.C714

Steel case with Black Sunray dial
Black Alligator strap
Stainless Steel triple folding buckle

03.2050.4035/01.C713

Steel case with Silver Sunray dial
Brown Alligator strap
Stainless Steel triple folding buckle

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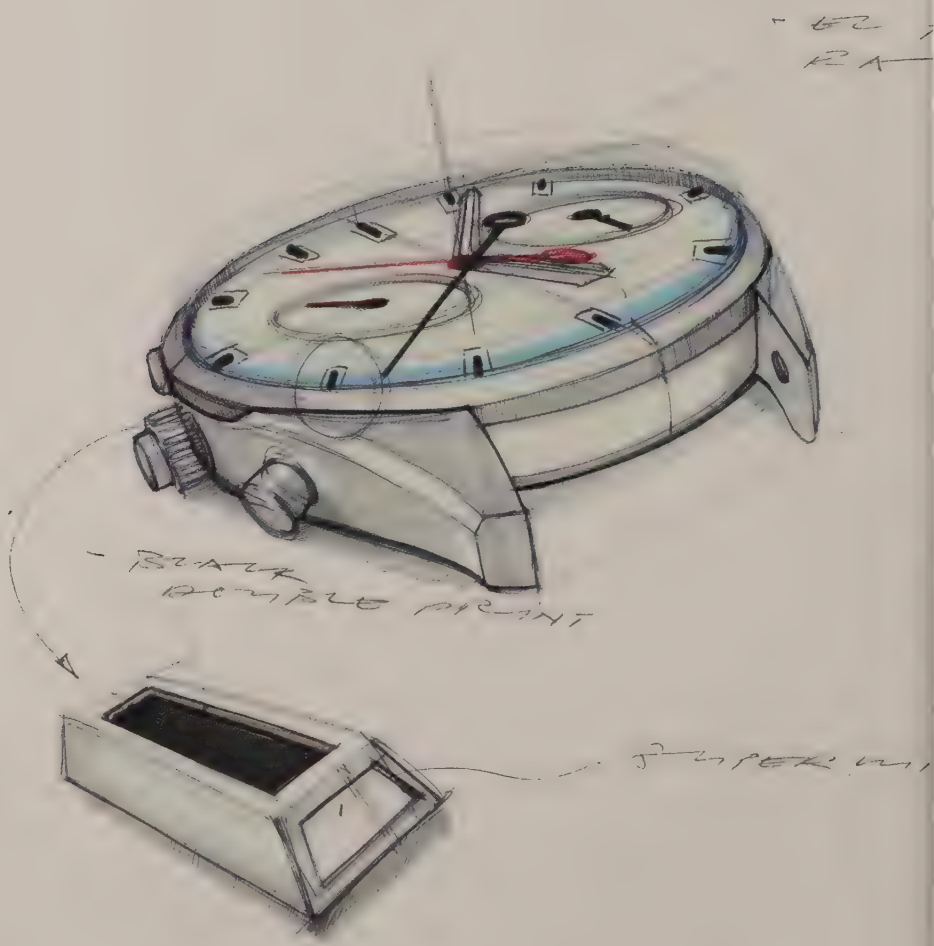
© Primero
Antiquario

The movement of the chronograph's
hands, engaged in a merciless pursuit
the carbon-black dial, is spectacular
The large seconds hand sweeps
dily while the flyback hand freezes
and then in a lightning burst of speed
up with the seconds hand to run along


BLACK
DOUBLE PRINT

The flyback hand
A spectacular function

The movement of the chronograph's two hands, engaged in a merciless pursuit above the carbon-black dial, is spectacular to watch

The large second hand (or trotteuse) sweeps round steadily while the flyback hand freezes on demand, and then in a lightning burst of speed catches up with the second hand to run alongside it.The mechanism of the flyback hand is a function for the connoisseur. When it is not being used, nothing sets it apart from a traditional chronograph, apart from two details: the extra push-piece housed on the crown and an additional hand above the trotteuse. This function enables events with the same starting time, but different finishing times, such as a long-distance race, to be timed. When this function is activated, the two hands start together and the flyback hand remains above the trotteuse, actually blending in with it. At the instant when the mechanism is stopped to record a timing, the trotteuse continues to run while the flyback hand stops, allowing the user to read off the time displayed. When the push-piece is pressed, the static hand will instantly flyback – hence the name of the function – to join the trotteuse and both will continue to run together, perfectly synchronized. By starting and stopping this function, the user can also note the time for each of the runners as they cross the finishing line. Flyback hand models, which are COSC-certified, have a large instantaneous date. The scrolling speed is six thousandths of a second, which means that you can make one hundred and fifty changes in one second. The human eye cannot see such rapid movements, which is why, when developing this date system, ZENITH used an ultra-fast camera that records 5,000 images a second. On the carbon-black dial, this model has a set of hands that handsomely meets the challenge of perfect clarity.

El Primero Rattrapante

03.2050.4026/91.C630

Steel case with
Black Sunray dial
Black Alligator strap
Stainless Steel triple folding buckle

MOVEMENT
El Primero 4026, Automatic
Calibre: 13¼ ``` (Diameter: 30 mm)
Thickness: 9.35 mm
Components: 370
Jewels: 32
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
Grande Date indicator at 6 o'clock
Split Second Chronograph:
30-minute counter at 3 o'clock
Split Second and Chronograph hands

CASE, DIAL & HANDS
Material: Stainless Steel
Case Diameter: 44 mm
Diameter opening: 39 mm
Crystal: Box-form Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 10 atm
Dial: Black Sunray with Nickel Circular Satined Zones
Indexes: Rhodium Faceted with Superluminova SLN C1
Hands: Rhodium Faceted with Superluminova SLN C1

ZENITH
PRIMERO
CHRONOMETER

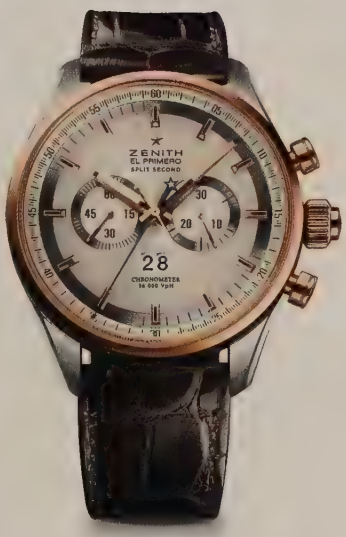
El Primero Rattrapante

78.2050.4026/91.R530

Steel Black PVD & Rose Gold case
with Black Sunray dial
Black Rubber strap
Black PVD triple folding buckle

78.2050.4026/91.R530 (Back)

Steel Black PVD & Rose Gold case
with Black Sunray dial
Black Rubber strap
Black PVD triple folding buckle



51.2050.4026/01.C713

Rose Gold and Steel case
Silver Sunray dial
Brown Alligator Strap
Stainless Steel triple folding buckle

75.2050.4026/21.R530

PVD case
with transferred Carbon dial
Black Rubber strap
Black PVD triple folding buckle

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The Chronomaster Open unites in a spectacular fashion the most rigorous watchmaking tradition with bold contemporary design. The ZENITH model uncovers the very essence of time and reveals, in the opening on its face, the 36,000 vibrations of its movement, the legendary El Primero.

EL PRIMERO CHRONOMASTER OPEN

The Chronomaster Open unites in a spectacular fashion the most rigorous watchmaking tradition with bold contemporary design. This ZENITH model uncovers the very essence of time and reveals, in the openings on its dial, the 36,000 vibrations of its movement: the legendary El Primero. The aperture captures interest as much by the magic it emanates as by the curiosity it inspires. But make no mistake: the Chronomaster Open is first and foremost an example of technological prowess, a timepiece that is 100% technical and 100% passion.

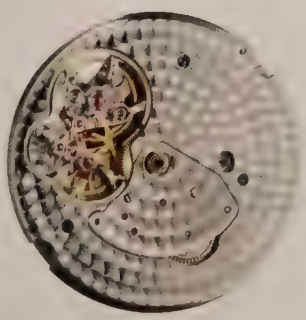
The Chronomaster Open model leaves no-one indifferent. The open dial – a ZENITH creation – lets one see into the perfectly synchronized pulsations and the magic of the mechanism in what is today unanimously considered as the "best serial movement in the world" for its performance and its chronometric reliability. Its secret lies in its number of vibrations, which is 25% higher than in other movements on the market. Whereas other timepieces make 8 vibrations per second, the El Primero calibre makes 10 in the same time. Over and above the aesthetic success of this open-heart operation – the Open concept is a feat of amazing technical prowess: to make the regulating organ visible, it has been moved to 10 o'clock, at the edge of the movement.

ZENITH Launched for the first time in the Watchmaking history the Open concept in 2003

The great watchmaking tradition
Everything here evokes the great tradition of watchmaking: a column-wheel chronograph mechanism; a power reserve indicator; a rhodium-plated plate, circular-graining and chamfered bridges; strokes drawn on the hammers, levers and conveyors; oscillating weight with "Côtes de Genève" guilloché work; revelation of the ZENITH star through skeleton work and tachometric scale on the flanges that harks back to the chronographs used in the first automobile races. One can only admire the attention to detail.

Aesthetically daring
The Chronomaster Open displays an avant-garde design with highly fi nished features. This aspect is important in the choice of a watch, one of the only pieces of jewelry worn by men, an accessory that identifies and highlights his personality. ZENITH communicates the image of a highly technical brand that is intended for connoisseurs of high-precision watchmaking.

Variations
Using the design codes of the past to interpret contemporary models, the Chronomaster Open is based on a century and a half of watchmaking expertise. The Open model exists in four different versions: a silver or black sun-burst dial in a steel case or silver sun-burst dial in an 18-carat rose gold case or in a rose gold and steel case. The markers and the three hands for the hours, minutes and small seconds are facetted, rhodium-plated, and hand-set. The central hand of the chronograph, the hand for the 30-minute counter and for the power reserve have a blued finish. The curve of the hands that decorate the dial is executed with precise handwork. The Chronomaster Open model belongs to ZENITH'S "Iconic" family.



El Primero Chronomaster Open

18.2080.4021/01.C494

Rose Gold case with Silver Sunray dial
Brown Alligator strap
Rose Gold pin buckle

MOVEMENT
El Primero 4021, Automatic
Calibre: 13¼ ``` (Diameter: 30 mm)
Thickness: 7.85 mm
Components: 248
Jewels: 39
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
Chronograph:
30-minute counter at 3 o'clock
Central Chronograph hand
Power Reserve indication
Tachymeter Scale

CASE, DIAL & HANDS
Material: Rose Gold
Case Diameter: 42 mm
Opening Diameter: 37.10 mm
Crystal: Box-form Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 10 atm
Dial: Silver Sunray
Indexes: Rhodium Faceted with Gold plating with Superluminova SLN C1
Hands: Rhodium Faceted with Gold plating with Superluminova SLN C1

ZENITH
EL PRIMERO
RESERVE DE MARCHE
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El Primero Chronomaster Open

40.2082.4021/91.C496

Platinum case with Slate Grey Sunray dial
Black Alligator Strap
White Gold pin buckle

03.2080.4021/21.M2040

Steel case with Black Sunray dial
Metal Bracelet
Stainless Steel pin buckle

03.2080.4021/01.C494

Steel case with Silver Sunray dial
Brown Alligator Strap
Stainless Steel pin buckle

03.2160.4047/01.C713

Steel case with Silver Sunray dial
Brown Alligator Strap
Stainless Steel pin buckle

Alain Robert – The French Spiderman

The Power of Perseverance

In 1994, Alain Robert scaled his first tower in Chicago. This was the beginning of his career as an urban climber. He realized that he loved confronting seemingly impossible challenges and that this could finally be a way for him to live out his passion. He climbed tower after tower across the world. Then, on one occasion when he was actually using ropes, an accident occurred: he fell 49 feet head first. The cause was a poorly tied knot that came loose as he abseiled down. He spent five days in a coma, having suffered multiple fractures to his skull, nose, wrists, elbow, pelvis and heels. His doctors were pessimistic: "This young man will never climb again." However, thanks to exceptional mental strength, a year after his accident, Alain Robert was climbing once again, reaching the highest level in his discipline. An ironic twist to the tale: since his fall, Alain suffers from vertigo caused by damage to his inner ear.

The French Spiderman
"The media have nicknamed me "Spiderman". But when I climb skyscrapers, there are neither special effects nor safety net!"

Climbing for Humanitarian Causes

While Alain Robert is well known for his illegal climbs, most people do not realise that many of his climbs are for humanitarian causes. His illegal ascent of the Kuala Lumpur tower had such huge media coverage that the Sabah Foundation in Borneo asked him to climb its skyscrapers. Authorities gave their approval and the event took on unimaginable scope: 15,000 people attended the spectacle and the event raised 150,000 euros. In 15 years, Alain Robert has climbed over 100 skyscrapers and well known monuments worldwide. One of his greatest successes was climbing the National Bank of Abu Dhabi, with over 100,000 spectators watching from the bottom of the tower! For Alain, the city has become a huge mountain, with the one difference...that there will always be new towers to climb.

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El Primero

ZENITH El Primero Striking 10th
The first calibre with ultra accurate [illegible]
a second measurement and display.

The El Primero Striking 10th [illegible]
embodies the grand return of the Manufacture
ZENITH to the technical values that [illegible]
forged the brand's success. Unrivalled to
date, the legendary El Primero [illegible]
the world's first automatic chronograph to
beat at a rate of 10 vibrations per second.

The El Primero Striking 10th chronograph embodies the grand return of the Manufacture ZENITH to the technical values that have forged the brand's success. Unrivalled to date, the legendary El Primero calibre was the world's first automatic chronograph to beat at a rate of 10 vibrations per second. It is the most sophisticated mechanical "motor" and the one boasting the highest degree of precision, since the vast majority of other mechanical movements beat at 8 vibrations per second at best. The model presented at Baselword 2010 embodies a major horological breakthrough by showcasing tenths of a second, meaning each pulsation of this exceptional mechanism. This development represents a considerable advancement in the principle of jumping or flying seconds. Now for a closer look at this significant return to genuine watchmaking values. The higher the balance's frequency of oscillation – easily perceptible by the speed of the ticking – the higher the quality factor determining the accuracy of the movement. The El Primero calibre developed in 1969 opted for a cadence of 10 vibrations per second, a rate that still represents one of the greatest watchmaking challenges, since other calibres generally reach a maximum of 8 vibrations per second.

Direct 1/10th of a second reading

The El Primero Striking 10th renders each pulsation of its motor clearly visible. Directly connected to the regulating organ, each jump of the central chronograph hand marks 1/10th of a second, the smallest division of time measured by a series-produced mechanical calibre. While measuring such a short fraction of time is a genuine accomplishment in itself, making it perfectly readable is yet another. To achieve this, ZENITH has considerably refined and improved the principle of jumping seconds. The chronograph hand makes a complete dial rotation in 10 seconds and each of its steps precisely indicates 1/10th of a second against the 100 graduations engraved on the dial. It is worth noting that, for the user of this chronograph, the 1/10th of a second is a natural unit of the decimal system, whereas the 1/8th or 1/5th of a second shown by so-called classic jumping seconds hands are far harder to perceive. With this model, ZENITH is

ZENITH El Primero Striking 10th
The first calibre with ultra-accurate 1/10th of a second measurement and display

clearly reasserting its brand territory: that of pure timekeeping performance.

El Primero Striking 10th

Its heart beats faster. Yours too. This chronograph exudes admirable presence on the wrist. The perfectly balanced case accentuates the resolutely masculine nature of this model. The three subdials consisting of the two chronograph totalizers and the running seconds display are arranged in a V shape on the lower part of the dial. The perfect readability of the measured time is guaranteed by three different shades on the subdials. The five-pointed star shines at the "ZENITH" of this timepiece, which achieves the considerable technical feat of rendering each beat of its exceptional movement clearly visible.

El Primero Striking 10th

03.2041.4052/69.C496

Steel case with Silver Sunray dial
and 3 colors counters
Black Alligator strap
Stainless Steel pin buckle
LIMITED EDITION OF 1969 PIECES

MOVEMENT
El Primero 4052 B, Automatic
Calibre: 13¼ ``` (Diameter: 30 mm)
Thickness: 6.60 mm
Components: 326
Jewels: 31
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
Date indicator at 6 o'clock
1/10th of a second Chronograph:
60-minute counter at 6 o'clock
60-seconds counter at 3 o'clock
1/10th of a second indication by the Chronograph hand

CASE, DIAL & HANDS
Material: Stainless Steel
Diameter: 42 mm
Diameter opening: 37.10 mm
Crystal: Box-form sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent sapphire glass
Water-resistance: 10 atm
Dial: Silver Sunray with 3 colors counters
Indexes: Rhodium Faceted with Superluminova SLN C1
Hands: Rhodium Faceted with Superluminova SLN C1

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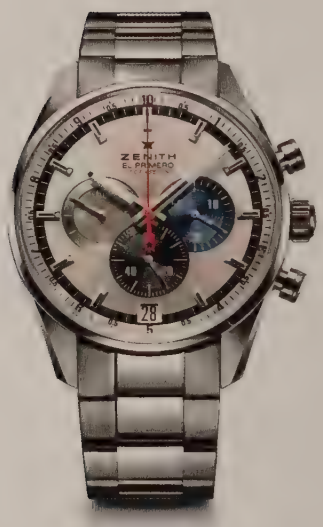
EL PRIMERO
1/10 OF A SECOND

El Primero
Striking 10th



03.2041.4052/69.M2040

Steel case with Silver Sunray dial
and 3 colors counters
Metal Bracelet
Stainless Steel triple folding buckle
LIMITED EDITION OF 1969 PIECES

40.2041.4052/91.C496

Platinum case with Slate Grey Sunray dial
and 3 colors counters
Black Alligator strap
White Gold pin buckle
LIMITED EDITION OF 69 PIECES

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The first undisputed attainment of the North Pole was by Roald Amundsen and Umberto Nobile, who flew over it on board the dirigible, Norge, on 12 May 1926. Amundsen, who had earlier become the first man to reach the South Pole, was thus the first person to have crossed the entire face of the Earth. On both expeditions, Amundsen wore a watch provided by the Swiss manufacturers, ZENITH.

Jean-Louis Etienne, the polar explorer
Portrait of an environmentalist

For the past 25 years, Jean-Louis Etienne, a qualified physician, has devoted his life to the fight to protect the environment, abandoning the comfortable security of a medical practice for extraordinary human adventures. His commitment began with two remarkable encounters.

In 1976, when Jean-Louis Etienne was a young doctor, he joined the crew of the Bel Espoir, a three-masted schooner commanded by Father Jaouen, an idealistic priest who employed adventure sailing to help rehabilitate young drug addicts. Two years later, he accompanied Eric Tabarly on a circumnavigation of the world on board Pen Duick VI. Adventure soon became an addiction that Jean-Louis Etienne could never throw off.

In 1986, he became the first person to reach the North Pole alone on skis, hauling his sled for 63 days. It gave birth to an obsession. Jean-Louis Etienne would become the next polar adventurer, and embarked on a series of expeditions.

A scientific venture to measure CO_2 and the Earth's magnetic field

Eighty-four years after Roald Amundsen reached the North Pole, Zenith has once again flown over the planet's most northerly point.

Polar traveler Jean-Louis Etienne took off at 6.09 a.m. on Monday, 5 April 2010 from Spitsbergen, Norway, aboard a giant Rozière hybrid balloon kept aloft by both helium and hot air. His aim was to complete the first solitary flight over the North Pole, which he was expected to reach within three days, before heading for Alaska. Jean-Louis Etienne's exploit would provide measurements of the Earth's magnetic field and the amount of carbon dioxide gas (CO_2) in an area free from emissions.

ZENITH returns to the North Pole in a balloon piloted by the explorer and physician, Dr Jean-Louis Etienne

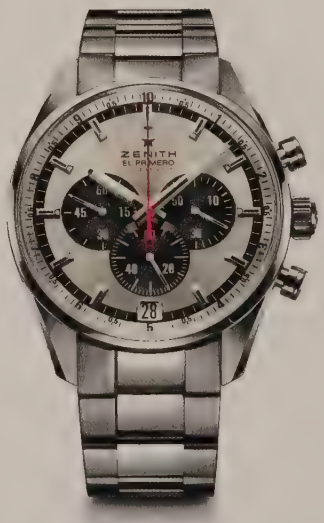
He was, above all, convinced that adventure could be a wonderful way of conveying certain values. His journeys could become a bridge between the scientific world and the general public. One expedition was on board the schooner Antarctica, designed especially for polar expeditions. She first sailed on an exploration of the Patagonian Channels, then thrust southwards to South Georgia and Antarctica. It gave him the opportunity to communicate the infinite beauty of the extreme southern landscape and to make people aware that its survival hangs in a fine balance. In 1994, he headed for Mount Erebus, Antarctica's only active volcano, then to the other end of the globe to winter for the first time in the Spitsbergen archipelago, northwest of Norway. This experience prepared him for "Mission Banquise" a three-month drift on the arctic ice cap for an initial program to measure climate change. He neglected the snow and ice for four months in 2004-2005 on the tropical atoll of Clipperton to draw up an inventory of biodiversity in the Pacific.

Jean-Louis Etienne returned from each of these expeditions with enough notes to give an account of his ventures and to make his thoughts and questions on the future of our planet known. His books not only fire readers' imaginations, they also provoke new ways of thinking. He is also a spellbinding speaker, captivating his audience with his precise speech and the warm accents inherited from his birthplace in the Tarn. Enthusiastic, demanding and determined, Jean-Louis Etienne has chosen to fulfil his wildest dreams. It is perhaps because he can live his dream and make it real, that he is a role model for many.

El Primero Striking 10th Limited Edition Tribute to Jean-Louis Etienne

03.2043.4052/01.C496

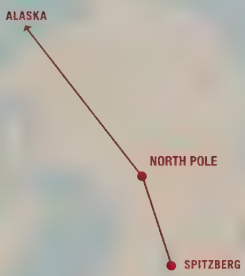
Steel case with Silver Sunray dial
and Black counters
Black Alligator strap
Stainless Steel Pin buckle
LIMITED EDITION 500 PIECES



03.2043.4052/01.M2040

Steel case with Silver Sunray dial
and Black counters
Metal Bracelet
Stainless Steel triple folding buckle
LIMITED EDITION 500 PIECES

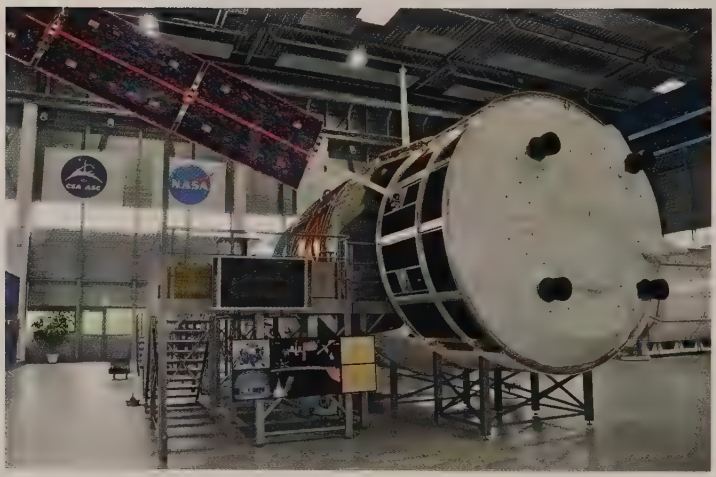
ZENITH returns to the North Pole in a balloon piloted by the explorer and physician, Dr Jean-Louis Etienne



The high-precision swiss chronograph El primero striking 10th has taken off into space

Above our heads – at an altitude of 400 km – floats an impressive mass of some 400 tonnes. This flying giant is not some lost asteroid, but the International Space Station (ISS), orbiting around the Earth. The laboratory is continually inhabited by a crew of six astronauts. In December 2010, a Swiss watch – the ZENITH El Primero Striking 10th – left the Earth on board a Russian Soyuz rocket, launched from the Baikonur Cosmodrome in Kazakhstan. This high-precision chronograph was taken into orbit in the Columbus module by a European astronaut as part of a European Space Agency program.

The International Space Station (ISS) is like a giant 400-tonne puzzle to which laboratory modules developed by the countries participating in the program are attached. When the structure is completed, sometime next year, the station will be 110 m long and will have around 15 pressurized modules. This space mammoth travels at the prodigious speed of 27,700 km/h, circling our planet in about an hour and a half. The station houses an international crew of six people who spend about six months on board.



Europe and Space

The European Space Agency (ESA) is Europe's gateway into space. It has 18 member countries, including Switzerland. In December, the ESA sent one of its astronauts for a six-month mission on board the ISS. This engineer is responsible for receiving the second European supply vehicle, the Johannes Kepler ATV. He is also conducting an intensive program of scientific experiments, from monitoring radiation to studying sleep in space as part of research on insomnia treatment on Earth.

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El Primero
Stratos Flyback
Striking 10th

The flight instruments in the cockpit of a fighter jet are subjected to abrupt variations in pressure, intense vibrations and [illegible] accelerations – from 9G to 11G. Thanks to robust construction, the ZENITH Stratos withstand it all.

El Primero Stratos Flyback Striking 10th

THE TIMEKEEPING INSTRUMENT OF FIGHTER PILOTS

The flight instruments in the cockpit of a fighter jet are subjected to abrupt variations in pressure, intense vibrations and violent accelerations – from 9G to 11G. Thanks to its robust construction, the ZENITH Stratos can withstand it all. As the faithful heir of the Rainbow Flyback model developed for the French Air Force in 1997, the Stratos is equipped with the world's most accurate automatic chronograph movement – the legendary El Primero – as well as the Striking 10th and Flyback functions.

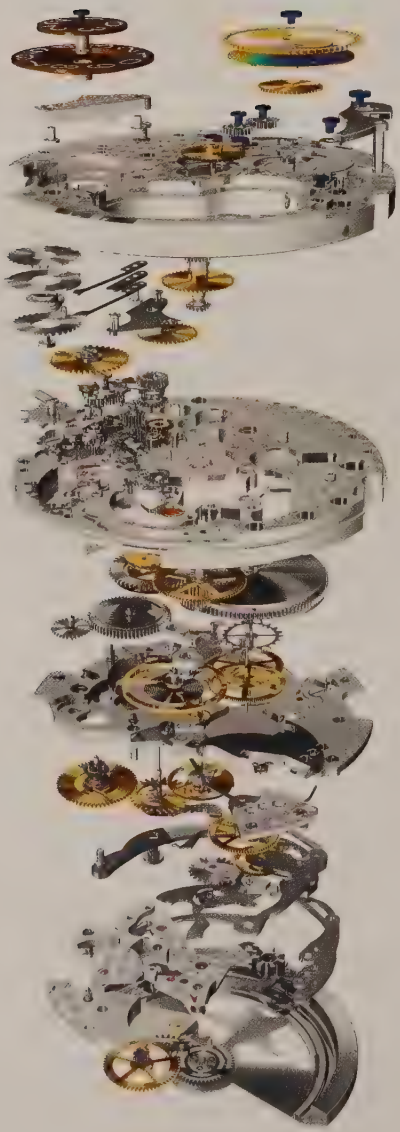
Accuracy and reliability have been the watch-words of the ZENITH Manufacture since 1865. Very early on, this obsession with accuracy and precision played an important role in aviation and transport. Today, this Manufacture timepiece is becoming established in the fascinating world of military and sporting aviation, where performance and absolute confidence in one's team members take center stage. Clear for take-off !

The chronometric instrument of the French Air Force

As a manufacturer of navigational chronometric instruments for civil and military aviation, ZENITH proudly presents its new model: the El Primero Stratos Flyback Striking 10th. The original model that inspired this chronograph was the Rainbow Flyback, which was designed according to a set of specifications prepared by the French Ministry of Defense. Watches designed for the military are required to meet a much higher number of demanding specifications than those required for civilian use, and this has led the ZENITH engineers to enhance the accuracy, endurance and reliability

of their creations even further. These instruments must continue to function accurately even in extreme conditions, such as violent acceleration, pressure and temperature variations, vibrations and magnetic fields. Aviation undoubtedly represents one of the most challenging environments for watches and on-board instruments. This newest ZENITH watch features an extremely durable case and a notched, unidirectional rotating bezel with a black, scratch-proof ceramic disk. A telemeter scale has also been placed on the dial flange. The large date indicator at 6 o'clock features an instant-change mechanism.

The rounded sapphire crystal is inspired by the shape of an astrodome – the dome located on the fuselage's dorsal ridge to enable astronavigation.



El Primero Stratos Flyback Striking 10th: an exceptional movement that displays tenths of a second The Stratos Flyback Striking 10th is equipped with the El Primero calibre. This integrated column-wheel chronograph movement beats at a high frequency and is 25% faster than all other mechanical calibres. The Striking 10th function visibly displays each beat of this exceptional mechanism – every tenth of every second – which represents the smallest division of time measurable by a mechanical calibre thus far. The Stratos Striking 10th is also equipped with the Flyback function. In flight, routes are calculated based on predetermined destinations and times. Before the Flyback function was invented, wearers were required to press two different buttons three times each in order to stop, reset and restart the chronograph hand. This is too complicated and slow for pilots at the controls of a fighter jet. Ingenious watchmakers thus developed the Flyback function, which stops, resets and restarts the chronograph with one push of a single button. Pilots can thus recalculate a new route instantly, giving them an advantage that is particularly vital when landing according to a time conveyed by the control tower. Only 1,969 copies of this limited-edition model will be produced. This number was chosen to mark the year the El Primero movement was first created.

The gear ratio between the driving wheel and the double silicon wheel results in a rotation speed of one revolution per second. The double wheel starts and stops 10 times a second and is thus particularly light in order to reduce its inertia.

The driving wheel is fixed to the arbor of the escapement wheel and thus also performs one complete turn in 4 seconds.

The escapement wheel performs one complete turn in 4 seconds per 1/10th of a second jump

El Primero Stratos Flyback Striking 10th

03.2060.4057/69.C714

Steel case with Silver Sunray dial
and 3 colors counters
Black Alligator strap
Stainless Steel folding buckle
LIMITED EDITION 1969 PIECES

MOVEMENT
El Primero 4057B, Automatic
Calibre: 13¼ ``` (Diameter: 30 mm)
Thickness: 6.60 mm
Components: 326
Jewels: 31
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
Date indicator at 6 o'clock
1/10 of a second Chronograph:
60-minute counter at 6 o'clock
60-second counter at 3 o'clock
1/10th of a second indication
by the Chronograph hand

CASE, DIAL & HANDS
Material: Stainless Steel with bezel featuring a Black Ceramic disc
Case Diameter: 45.5 mm
Opening Diameter: 35 mm
Crystal: Box-form Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 10 atm
Dials: Silver Sunray
with 3 colors counters
Indexes: Rhodium Faceted with Superluminova SLN C1
Hands: Rhodium Faceted with Superluminova SLN C1

ZENITH
EL PRIMERO
1/10 OF A SECOND

El Primero Stratos Flyback Striking 10th Limited Edition Tribute to Alain Thébault

24.2061.4057/67.C707

Black ALCHRON Case
Black dial with Silver counters
Black Fabric strap
Black folding buckle
LIMITED EDITION 500 PIECES

The ZENITH Manufacture climbs aboard the hydroptère

In the world of sailing, the legendary 50-knot barrier was long considered the equivalent of the sound barrier in aeronautics. Yet, at a speed of 56.3 knots (104.27 km/h) – 6.3 knots over this legendary limit – Alain Thébault's Hydroptère was able to shatter existing speed records thanks to a truly extraordinary performance. While setting these records, the Hydroptère clocked up a speed twice that of the wind blowing over the water, without using any other means of propulsion other than the wind itself.

A perfect laboratory for high-tech experimentation, the Hydroptère incorporates numerous new technical developments. This is what prompted the ZENITH watchmaking Manufacture, a pioneer in high-frequency movements, to climb aboard the flying sailboat. Alain Thébault and Jean-Frédéric Dufour, CEO of ZENITH, have recently entered into a partnership agreement that unites these two innovative leaders. Both men enjoy rising to technical challenges and are leaders in their respective fields: fluid kinematics for one, and the finest division of time for the other. A genuine meeting between two bold spirits...

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SWISS

El Primero
Stratos Flyback

El Primero Stratos Flyback

24.2060.405/21.C707

Black ALCHRON Case
Black dial
Black Fabric strap
Black folding buckle

MOVEMENT
El Primero 405 B, Automatic
Calibre: 13¼ ``` (Diameter: 30 mm)
Thickness: 6.60 mm
Components: 331
Jewels: 31
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
Date indicator at 6 o'clock
Rotating bezel
Flyback Chronograph:
12-hour counter at 6 o'clock
30-minute counter at 3 o'clock
Central Chronograph hand
Telemetric Scale

CASE, DIAL & HANDS
Material: Black ALCHRON with bezel featuring a Black Ceramic disc
Case Diameter: 45.5 mm
Opening Diameter: 35 mm
Crystal: Box-form Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 10 atm
Dial: Black
Indexes: Rhodium Faceted with Superluminova SLN C1
Hands: Rhodium Faceted with Superluminova SLN C1

ZENITH
EL PRIMERO
CHRONOMASTER
FLYBACK

El Primero
Stratos Flyback

03.2060.405/21.C714

Steel case with Black dial
Black Alligator strap
Stainless Steel folding buckle

03.2060.405/21.M2060

Steel case with Black dial
Metal Bracelet
Stainless Steel folding buckle

86.2060.405/23.C714

Rose Gold & Black ALCHRON case
Black dial
Black Alligator strap
Black folding buckle

85.2060.405/23.C714

Black ALCHRON & Rose Gold case
Black dial
Black Alligator strap
Black folding buckle

El Primero
Stratos Flyback

45.2060.405/29.C714

White Gold case with Black dial
Black Alligator strap
White Gold folding buckle

Diamonds

Carats:	~6.9 cts
Bezel:	60 White «Baguette» TW PUR to VVS
Case:	188 «Brillant» VS
Dial:	11 «Baguette» VS

45.2062.405/21.C714

White Gold case with Black dial
Black Alligator strap
White Gold folding buckle

Diamonds

Carats:	~5.7 cts
Bezel:	60 Blue Sapphire «Baguette»
Case:	108 «Brillant» VS

45.2063.405/21.C714

White Gold case with Black dial
Black Alligator strap
White Gold folding buckle

Diamonds

Carats: ~4.8 cts
Bezel: 48 White & 12 Black «Baguette» TW PUR to VVS

THE LAST GREAT ADVENTURE ON EARTH
Zenith journeys across the face of the planet from the North Pole to the South Pole

Precisely one hundred years ago, in 1911, Roald Amundsen became the first man to reach the South Pole. Fifteen years later, in 1926, he conducted the first confirmed exploration of the North Pole. With this dual accomplishment, the last unknown regions of the planet were reached and explored, begging the question: what other challenges remained for explorers in the future? A century later, however, there remains one feat that no-one has yet accomplished: travelling the globe from one pole to the other. This Last Great Adventure, which is beset with all types of physical and technical difficulties, represents a journey of incredible extremes that the Swedish explorer Johan Ernst Nilson will undertake in just a few weeks when he sets off on his Pole2Pole expedition. The ZENITH watch Manufacture has just entered into a partnership agreement with the explorer, an obvious alliance considering that Roald Amundsen also used a ZENITH chronograph. And Johan Ernst Nilson, his worthy successor, is very likely the explorer who can best perpetuate the pioneer values and spirit that also drive the ZENITH Manufacture.

The ultimate epic journey: the Pole2Pole project

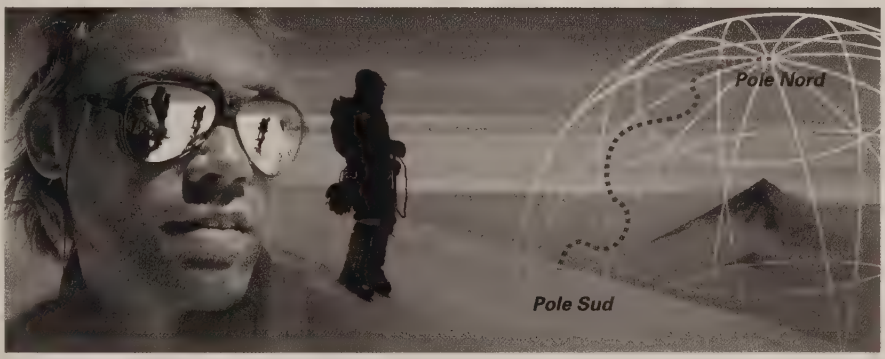
The adventure which Johan Ernst Nilson is about to embark on is a true modern odyssey that will represent the last chapter in the history of the conquest of the poles. The schedule the Swedish explorer has set for himself, however, would cause even the toughest of athletes to cringe: starting at the North Pole on 30th March, Johan will walk 200 kilometres over the Arctic sea-ice to the Svalbard Archipelago to the east of Greenland. From there, he will travel and sail through the Arctic Ocean to Canada and then bicycle south through both North and South America, passing through the Amazon jungle along the way and arriving finally in Patagonia. He will set sail again to Antarctica where the last leg of his trip will begin—a two-month journey on skis and by parafoil to the South Pole. The entire journey should take about one year to complete—one year to travel through every degree of latitude on Earth, starting at the northernmost point on the globe and finishing at the exactly opposite southernmost point.

El Primero Stratos Flyback Limited Edition Tribute to Johan Ernst Nilson

24.2062.405/27.C707

Black ALCHRON Case
Black dial with "Pole2Pole" logo
Black Fabric strap
Black folding buckle
LIMITED EDITION 500 PIECES

THE LAST GREAT ADVENTURE ON EARTH
Zenith journeys across the face of the planet from the North Pole to the South Pole



ZENITH, the pioneering spirit

It is natural that Johan Ernst Nilson shares a personal connection with the ZENITH brand: since the very beginning, the brand has accompanied discoverers on their adventures: sailors used ZENITH marine chronographs during their expeditions to calculate their ships' positions at sea; later on, pilots would use ZENITH chronographs to guide them in their exploits. Most of all, however, the ZENITH Manufacture has always shown its unflagging spirit of discovery by constantly setting out to go beyond the limits that others deem insurmountable: a pioneer in high frequency, Zenith is the inventor of the El Primero chronograph calibre, the most accurate automatic movement in the world. It is the only production calibre that beats at 10 vibrations per second; its closest competitors beat at only 8 vibrations per second. Johan E. Nilson will wear a special edition El Primero Stratos on his wrist during his Pole2Pole journey. Designed to withstand the harshest of conditions, this crafted chronograph will be tested in the most hostile conditions on Earth. Only 500 of these numbered Stratos Pole2Pole limited-edition chronographs will be produced.

El Primero 36'000 VpH
Saving the El Primero

The history of the El Primero might ended abruptly in 1975. That was when American company that had owned brand for the past four years decided making mechanical watches and to quartz watches.

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SWISS

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300
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180
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150
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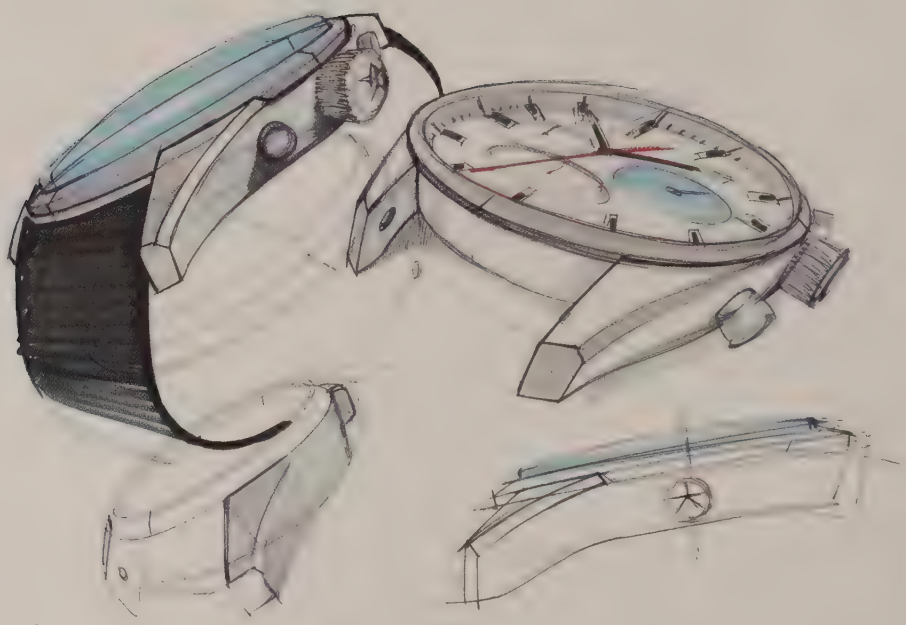
The ZENITH El Primero 36'000 VPH chro-
graph is an example of watchmaking reserv-
ved for those who find a thrill in the tech-
cal achievement and power of art in the
of watchmaking.



The ZENITH El Primero 36'000 VpH chronograph is an example of watchmaking reserved for those who find a thrill in the technical achievement and power of a rare piece of watchmaking.

A pure product of the watchmaker's expertise

The development of the El Primero 36'000 VpH is solidly based on watchmaking principles. The exact place where the hands point, their size, the shape of the date window, the olivette that enables the crown to be gripped: everything here is governed by function. Look, for example, at the finesse of the chronograph hand, which is dictated by two factors: inertia and accuracy of reading; with each stepped movement, the hand marks one tenth of a second. No need to add that this example of watchmaking, certified by the Bureau of Chronometry, is entirely manufactured in Le Locle. The same is true of all ZENITH products.

El Primero 36'000 VpH chronograph
A pure watchmaking product

Masculine architecture

This chronograph is specially for men who like technical achievement; one of the foundations of the great Le Locle firm. On the dial's peripheral flange, a tachymeter scale is engraved that enables hourly speed to be calculated from a measured time. The size of the El Primero 36'000 VpH's case is 42 mm. However it has an imposing presence! And is this the second secret of the ZENITH watch? Look carefully! You will see that the window – which is the visible surface of the dial – is far larger than that of a traditional watch; the watch thus appears bigger and can be worn on all wrists. Another plus, the domed crystal lightens the construction and allows more light onto the hands, subdials and dial. The timepiece is luminous. The three combined subdials further reinforce the strong personality of this creation, with its date positioned at six o'clock. As for the color, black and ruthenium vie with each other. The subtle play of these hues is found on the dial, hands and markers. No-one will fail to compare the two colors with the ones on the checkered flag used in motor racing. It is a good point too. The chronograph also incorporates the tachymeter function. Three light red strokes tint the ends of three of the six hands.

The art of detail

Dual color, fine faceted hands. A rhodium-plated steel index, a Super-LumiNova™ phosphorescent point and a black lacquered division. A faceted date aperture at six o'clock, at the edge of the dial. Domed sapphire crystals on both sides. A black satin-finish sunray dial. Three circular satin-finish subdials. An oscillating mass marked with the ZENITH star. A polished steel case and brushed steel upper surface of the horns. Domed case edges, a double-strike construction achieved by two successive strikings above and below. The result is greater finesse, lightened sides and denser reflections. COSC-certified calibre.

El Primero 36'000 VpH

18.2040.400/01.C494

Rose Gold case with Silver Sunray dial
Brown Alligator strap
18-carat Rose Gold pin Buckle

MOVEMENT
El Primero 400 B, Automatic
Calibre: 13¼ ''' (Diameter: 30 mm)
Thickness: 6.60 mm
Components: 326
Jewels: 31
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
Date indicator at 6 o'clock
Chronograph:
12-hour counter at 6 o'clock
30-minute counter at 3 o'clock
Central Chronograph hand
Tachymeter Scale

CASE, DIAL & HANDS
Material: 18-carat Rose Gold
Case Diameter: 42 mm
Opening Diameter: 37.10 mm
Crystal: Box-form Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 10 atm
Dial: Silver Sunray with anthracite counters
Indexes: Rhodium Faceted with Gold plating with Superluminova SLN C1
Hands: Rhodium Faceted with Gold plating with Superluminova SLN C1

El Primero
36'000 VpH

03.2040.400/22.C496

Steel case with Black Sunray dial
and Silver counters
Black Alligator strap
Stainless Steel pin buckle

03.2040.400/21.M2040

Steel case with Black Sunray dial
Metal Bracelet
Stainless Steel triple folding buckle

Speed record.
For the first time, the legendary 100 km/h mark is topped by a sailing craft

In Namibia, a legendary mark has just been crossed by Alexandre Caizergues, who smashed the world speed sailing record, raising it to 100.19 km/h. The Frenchman thus superseded the previous recordholder Alain Thébault and his hydrofoil trimaran Hydroptère, which had reached a speed of 95 km/h. Alexandre and his kitesurf thus managed to travel 5 km/h faster than the previous record-holder.

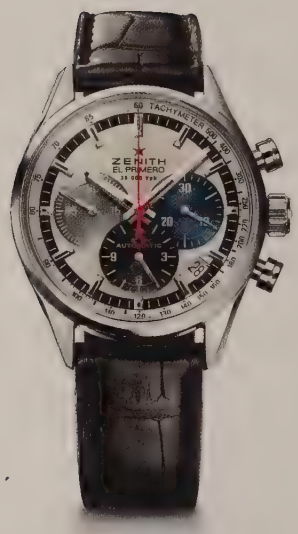
For years, a variety of craft have been competing against each other on water. At each attempt, the frantic race between kitesurfs, windsurfs, trimarans and hydrofoils pushes back technical and human limits. And it was a kitesurf – a surfboard drawn by a kite – that broke the 100 km/h (54.10 knots) barrier for the first time. The kitesurfer responsible, Alexandre Caizergues, is an exceptional sportsman and most likely the best kitesurfer of his generation. He arrived in the bay of Lüderitz, Namibia, with the stated goal of beating the world record that the Hydroptère had held for a year (93.65 km/h in September 2008). Alexandre demolished it, reaching an average speed of 100.19 km/h over 500 metres, a speed ratified by the World Sailing Speed Record Council. So, the record 100 km/h mark, pursued by so many speed demons, now belongs to the young Frenchman.

ZENITH , the brand linked to record-breaking performances on water

Since its beginnings, the Swiss Manufacture ZENITH has accompanied sailors at sea. Its sailing chronometers have helped navigators find their way on the world's oceans and precisely determine their longitude.

Precision is essential at sea, where a single erroneous second can result in a positioning error of 463 metres. Today, ZENITH is proud to be associated with this new exploit alongside its brand ambassador, Alexandre Caizergues.

El Primero
36'000 VpH – 38 mm



03.2150.400/69.C713

Steel case with Silver Sunray dial
and 3 colors counters
Brown Alligator strap
Stainless Steel pin buckle

MOVEMENT
El Primero 400, Automatic
Calibre: 13¼ ``` (Diameter: 30 mm)
Thickness: 6.60 mm
Components: 278
Jewels: 31
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
Date indicator at 4:30 o'clock
3-counter Chronograph:
12-hour counter at 6 o'clock
30-minute counter at 3 o'clock
Central Chronograph hand
Tachymeter Scale

CASE, DIAL & HANDS
Material: Stainless Steel
Case Diameter: 38 mm
Opening Diameter: 33.10 mm
Crystal: Box-form Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 10 atm
Dial: Silver, Blue and Anthracite Sunray
Indexes: Rhodium Faceted with Superluminova SLN C1
Hands: Rhodium Faceted with Superluminova SLN C1

ZENITH
TACHYMETER

03.2150.400/69.M2150

Steel case with Silver Sunray dial
and 3 colors counters
Metal Bracelet
Stainless Steel triple folding buckle

03.2150.400/21.M2150

Steel case with Anthracite dial
Metal Bracelet
Stainless Steel triple folding buckle

03.2150.400/51.M2150

Steel case with Blue dial
Metal Bracelet
Stainless Steel triple folding buckle

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The 20th century was definitely the [illegible] nautics. Driven by the pioneer spirit, [illegible] accompanied the history of aviation [illegible] from its early days. In 1909, Louis [illegible] became the first man to cross the [illegible] by plane: he owned a ZENITH timepiece [illegible]

PROJECTEURS
PHARES ET LANTERNES

ACETYLENE
OXY-ESSENCE
ELECTRICITE

APPAREILS DE PROJECTION
ECLAIRAGES SPÉCIAUX

FOURNISSEUR DES MINISTÈRES DE LA GUERRE ET DE LA MARINE DES COURS ETRANGERES DES COMPAGNIES DE CHEMINS DE FER VILLES & COMMUNES ETC

DYNAMO "PHI"
Brevetée SGDG

ECLAIRAGE ÉLECTRIQUE COMPLET DES AUTOMOBILES

PROJECTEURS TOURNANTS
A L'OXY-ESSENCE
Brevetés SGDG

SIRENES MECANIQUES
ET ELECTRIQUES

CHAUFFERETTES POUR AUTOMOBILES

GONFLEUR BLERIOT

PIECES ANNEXÉES

Les Brevets Anglais

CONSTRUCTION D'APPAREILS D'ECLAIRAGE
FERBLANTERIE CHAUDRONNERIE . TOLERIE

SOCIÉTÉ ANONYME DES ÉTABLISSEMENTS

L. BLÉRIOT

AU CAPITAL DE 1 300 000 FRANCS

SIÈGE SOCIAL - BUREAUX & MAGASINS
14-16, RUE DURET (XVIe) TÉLÉPHONE 1re Ligne 650-39
2me — 669-73
3me — 644-90
ADRESSE TÉLÉGRAPHIQUE
BLÉRIAUTO-PARIS

USINES 12-14 RUE HENRI CHEVREAU
TÉLÉPHONE 938-12
ET A ANNECY (HTe SAVOIE)

PARIS LE 191

Je suis très satisfait de la montre Zenith dont je me sers habituellement et je ne saurais trop la recommander aux personnes qui ont le souci de l'exactitude

L. Blériot

Paris le 19 Mars 1912

Letter written by Louis Bleriot to ZENITH in March 1912 in which he states "I am extremely satisfied with the Zenith watch which I regularly use and cannot but recommend it to all those who nurture a concern for accuracy

ZENITH El Primero Pilot
A top-flight chronograph in tribute to aviation pioneers

The 20th century was definitely that of aeronautics. Driven by the pioneering spirit, ZENITH accompanied the history of aviation right from its early days. In 1909, Louis Blériot became the first man to cross the Channel by plane: he owned a ZENITH timepiece. The Manufacture has kept a letter written by the aviator in March 1912 in which he states "I am extremely satisfied with the Zenith watch which I regularly use and cannot but recommend it to all those who nurture a concern for accuracy"... ZENITH subsequently continued to cultivate extremely close ties with the world of aviation. Since 1865, ZENITH is indeed a benchmark in the field of accurate and reliable watches – two criteria that are indispensable in aeronautics. The Manufacture in Le Locle produced its first onboard instruments and pilot's watches right from the birth of this industry, and more recently in 1997, it developed the exclusive Rainbow Flyback model specifically for the French air force. One might also mention the Cairelli model produced at an earlier date for the Italian air force. The chronograph ZENITH is now launching, the El Primero Pilot, which embodies the heritage of this long-established history.

A vintage design

Right from first glance, the El Primero Pilot model evokes the timepieces used by aviation pioneers: the black dial with its white hands and large contrasting hour-markers, both Super-LumiNova™-treated to ensure enhanced visibility in all lighting conditions; the brushed-steel finish; the two counters at 3 and 9 o'clock; the magnified date at 6 o'clock; the telemetric scale on the inner bezel ring; and above all, the large crown that was indispensable for making adjustments given the gloves that pilots had to wear in those days!

ZENITH El Primero Pilot
A top-flight chronograph in tribute to aviation pioneers

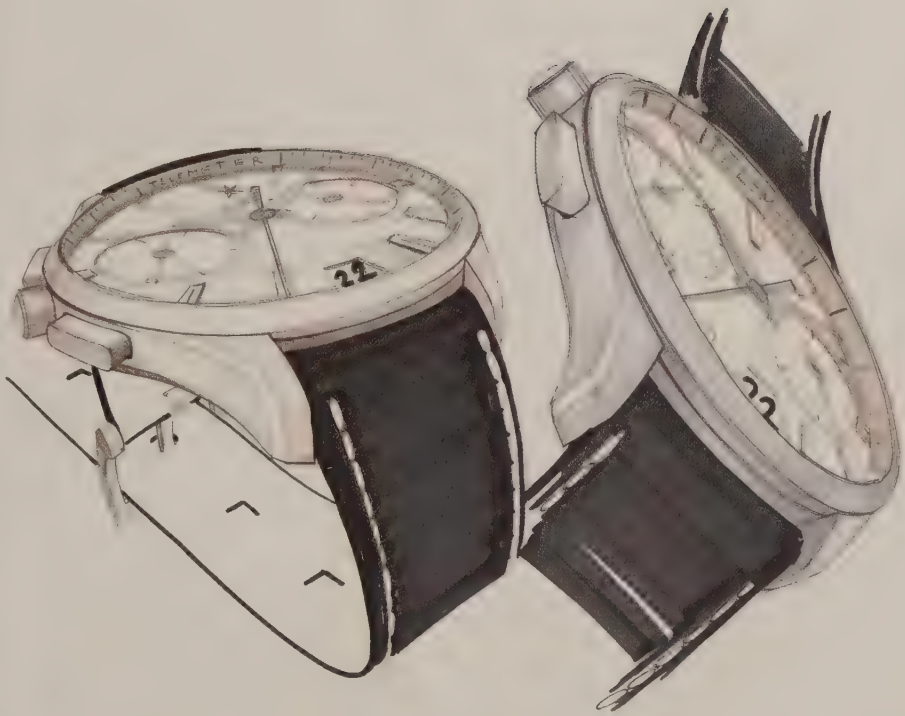
A high-flying chronograph

Even though the exterior design of the El Primero Pilot model is reminiscent of the heroic era of the Aéropostale (early French airborne postal service), the movement beating inside the case is more like that of a supersonic jet. First launched by ZENITH in 1969, the same year as Concorde, this automatic column-wheel movement has remained the world's most accurate series-produced mechanical calibre ever since – and the only one capable of truly measuring tenths of a second in direct connection with the regulating organ. The secret of this extreme precision lies in the cadence of its balance: 36,000 vibrations per hour, meaning 10 vibrations per second – whereas others generally beat at 8 vibrations/second at best. This increase propelled El Primero into the field of horological high frequency, an upward leap that makes all the difference and is comparable to the crossing of the sound barrier in the world of aviation.

An exclusive calibre

El Primero is an exclusive feature that ZENITH reserves for its own timepieces. Each movement is made from start to finish within the Manufacture in Le Locle, it takes an average of 9 months to make with the cooperation of 296 trained experts, performing a total of 2,500 operations. Ultra high-precision work for ultra high-precision watches: exactly like in aeronautical construction, nothing can be left to chance.

With El Primero Pilot, ZENITH is presenting a tribute to aviation pioneers, while incorporating within this high-precision chronograph the full measure of horological expertise acquired by the Manufacture in Le Locle in the course of the 20th century: a timepiece that will appeal to all those who, between two flights in state-of-the-art jet planes, still sometimes dream of biplanes and other historical aircraft... Finally, it is important to note that the name "Pilot" is still a registered ZENITH trademark within the watch industry. And indeed, what could be more natural than moving skyward for the brand with the star logo?



Pilot Chronograph

03.2117.4002/23.C704

Steel case with Black dial
Brown Alligator strap with beige Stitching
Stainless Steel pin buckle

MOVEMENT
El Primero 4002, Automatic
Calibre: 13¼ ``` (Diameter: 30 mm)
Thickness: 6.60 mm
Components: 307
Jewels: 31
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
Date indicator at 6 o'clock
Chronograph:
30-minute counter at 3 o'clock
Central Chronograph hand
Telemeter scale

CASE, DIAL & HANDS
Material: Stainless Steel
Case Diameter: 42 mm
Opening Diameter: 35.50 mm
Crystal: Box-form Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 5 atm
Dial: Black
Indexes: Superluminova SLN C1
Hands: White varnished Faceted with Superluminova SLN C1

ZENITH
PRIMEROLOGE
AUTOMATIC
36 000 VpH
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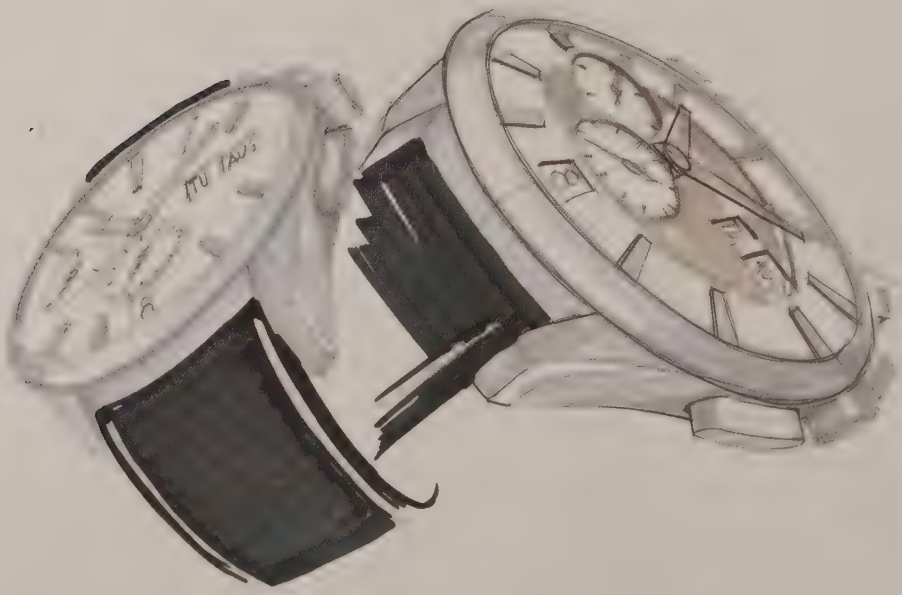
The line of Captain chronographs [illegible] enriched with a new horological [illegible] tion. Following the power reserve [illegible] phases and the second time [illegible] ingenious complication, the annual [illegible] dar, which displays the date, the day [illegible] week and the month while requiring [illegible] annual adjustment. Named Captain's [illegible] Annual Calendar, this timepiece [illegible] the most accurate series produced [illegible] with a useful and innovative complication.

New ZENITH complication
The ingenious annual calendar

The line of Captain chronographs is now enriched with a new horological complication. Following the power reserve, the moon phases and the second time zone comes an ingenious complication, the annual calendar, which displays the date, the day of the week and the month while requiring just one annual adjustment. Named Captain Winsor Annual Calendar, this timepiece combines the most accurate series-produced calibre with a useful and innovative complication.

The annual calendar
The particularly ingenious construction of this new ZENITH horological complication houses an annual calendar – displaying the day of the week, date and month – that requires only one adjustment per year.

To ensure excellent readability, this display is provided with three concentric discs. The outer disc shows the date, the middle one the month, and the inner one the day of the week.



This mechanism is both simple and complex: for 31-day months, the date disc moves the month disc forward; for 30-day months, the month disc skips the "31". The only manual adjustment required is for the transition from February to March. The clever, pared-down design of this complication comprises just nine moving parts, whereas most calendar require between 30 and 40.

The "engine" powering this chronograph expresses the full measure of ZENITH'S horological expertise: it is the famous high-precision El Primero movement made in-house by the Manufacture for over 40 years. El Primero is the only series-produced movement to beat at 36,000 vibrations per hour, meaning one beat every tenth of a second. ZENITH reserves this automatic calibre for its own timepieces. The Captain Winsor model is equipped with the automatic El Primero Calibre 4054 version, adorned with Côtes de Genève and circular-graining and visible through the sapphire crystal case-back.

The ZENITH Captain line

In its early days, the reputation of the Manufacture in Le Locle was notably built on the reliability of its marine chronometers, which served to calculate the position of ships at sea. It was the legendary 18th-century age of maritime exploration when marine chronometers were first invented, imbued with the thrill of adventure and the call of the open sea, that ZENITH wished to evoke in creating the Captain line first launched in 1952. The contemporary chronograph versions carry strong references to the 1950s vintage models through a wealth of refined details, including guilloche dials, dauphine hands, and hand-applied facetted hour-markers.

The Captain Winsor Annual Calendar is available in two versions: with a silver-toned or midnight blue dial framed by a steel case; or a silver-toned dial and an 18-carat pink gold case. This timepiece embodies horological ingenuity dedicated to ensuring optimal user friendliness and maximum legibility.

Captain Winsor

18.2070.4054/02.C711

Rose Gold case
Silver Guilloché dial
Brown Alligator strap
Rose Gold pin buckle

MOVEMENT
El Primero 4054, Automatic
Calibre: 13¼ ``` (Diameter: 30 mm)
Thickness: 8.30 mm
Components: 341
Jewels: 29
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
Day and month at 3'oclock
Date indicator at 6 o'clock
Chronograph:
60-minute counter at 6 o'clock
Central Chronograph hand

CASE, DIAL & HANDS
Material: 18-carat Rose Gold
Case Diameter: 42 mm
Opening Diameter: 35.60 mm
Crystal: Box-form Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 5 atm
Dial: Silver Sunray
Indexes: Rhodium Faceted with Gold plating
Hands: Rhodium Faceted with Gold plating

ANNUAL
CALENDAR
ZENITH
EL PRIMERO
AUTOMATIC
11
AUG

Captain Winsor

03.2070.4054/02.C711

Steel case
Silver Guilloché dial
Brown Alligator strap
Stainless Steel pin buckle

03.2070.4054/22.C708

Steel case
Black & blue Guilloché dial
Black Alligator strap
Stainless Steel pin buckle
TRIBUTE TO CHARLES VERMOT

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VpH
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Captain: the name conjures up [illegible]
long voyages, dangers and the [illegible]
deals at far-flung trading posts. [illegible]
title is strictly reserved. However, [illegible]
applying for the position is [illegible]
former holders. Nothing of the art and [illegible]
niques of navigating at sea and [illegible]
drawing the route must vanish [illegible]
– if he succeeds – will be appropriate [illegible]
In times gone by, the [illegible] officers commanding a vessel of the [illegible]

[illegible] Le poignet de Monsieur [illegible] Zenith
[illegible] Zenith
[illegible] Zenith, [illegible] en 1965

Captain

The purest expression of ZENITH's watchmaking heritage

Captain: the name conjures up dreams of long voyages, dangers and the profits from deals at far-flung trading posts... Use of the title is strictly reserved, however; the officer applying for the position is questioned by its former holders. Nothing of the art and techniques of navigating at sea and accurately drawing the route must escape the one who – if he succeeds – will be appointed Captain. In times gone by, the title was used only for officers commanding a vessel of the king. Captain is also a collection that embodies the finest expression of the ZENITH watchmaking heritage.

Expertise that – as with that of navigating the seas – is passed from watchmaker to watchmaker within the precincts of the Manufacture in Le Locle. This prestigious collection is inspired by a former line created by ZENITH in the mid-1960s. All the watchmaker's skills – technique, precision, and artwork – are incorporated into this construction. With its Dauphin-style hands and long indexes, in both cases fluted, the Captain harks back unmistakably to vintage timepieces. These outstanding elements take on the emblematic character of ZENITH chronographs made in about the middle of the last century. In homage to the original model, the Captain collection picks up both the spirit and the aestheticism again. A thoroughbred, the chronograph has two large push-pieces on the side. Just as it did fifty years ago, technical and chronometric achievement governed the development of this collection. The new generation technically surpasses past ones by incorporating a high performance COSC-certified movement, the legendary El Primero calibre designed in 1969. The movement, with "Côtes de Genève" decoration, is visible through a sapphire case-back. On the other face, the silver sunray dial is surmounted by gold-plated faceted rhodium hands and indexes. The date window is positioned at 6 o'clock. Three chronograph subdials are arranged in a V at the centre, on the lower part of the dial. The Captain line combines simplicity with a strong identity. It expresses both a very masculine retro elegance and highly technical complexity. A watch of the high seas – a Captain's watch.

Captain Chronograph

03.2110.400/01.C498

Steel case
Silver Sunray dial
Brown Alligator strap
Stainless Steel pin buckle

MOVEMENT
El Primero, 400 B, Automatic
Calibre: 13¼ ``` (Diameter: 30 mm)
Thickness: 6.60 mm
Components: 326
Jewels: 31
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
Date indicator at 6 o'clock
3-counter Chronograph:
12-hour counter at 6 o'clock
30-minute counter at 3 o'clock
Central Chronograph hand

CASE, DIAL & HANDS
Material: Stainless Steel
Diameter: 42 mm
Diameter opening: 35.50 mm
Crystal: Box-form Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 5 atm
Dial: Silver Sunray
Indexes: Rhodium Faceted
Hands: Rhodium Faceted

ZENITH
EL PRIMERO
60
45
15
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9
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Captain Chronograph

18.2110.400/01.C498

Rose Gold case
Silver Sunray dial
Brown Alligator strap
18-carat Rose Gold pin buckle

18.2110.400/01.C498 (back)

Rose Gold case
Silver Sunray dial
Brown Alligator strap
18-carat Rose Gold pin buckle

51.2112.400/01.C498

Rose Gold and Steel case
Silver Sunray dial
Brown Alligator strap
Stainless Steel pin buckle

03.2110.400/01.M2110

Steel case
Silver Sunray dial
Metal Bracelet
Stainless Steel pin buckle

Captain Chronograph

03.2110.400/75.C498

Steel case
Brown Sunray dial
Brown Alligator strap
Stainless Steel pin buckle

51.2112.400/01.M2110

Rose Gold and Steel case
Silver Sunray dial
Steel and Gold bracelet
Stainless Steel triple folding buckle

03.2110.400/21.M2110

Steel case
Black Sunray dial
Metal Bracelet
Stainless Steel triple folding buckle

03.2115.400/21.C703

Steel case with Black Sunray dial
Black Alligator with red stitching
Stainless Steel pin buckle
LIMITED EDITION OF 500 PIECES

Captain Chronograph

16.2110.400/02.C498

Steel case with diamonds
Silver Sunray dial with diamonds
Brown Alligator strap
Stainless Steel pin buckle

22.2110.400/02.C498

Rose Gold case with Diamonds
Silver Sunray dial with Diamonds
Brown Alligator strap
18-carat Rose Gold pin buckle

18.2110.400/02.C498

Rose Gold case
Silver Sunray dial with diamonds
Brown Alligator strap
18-carat Rose Gold pin buckle

ZEN
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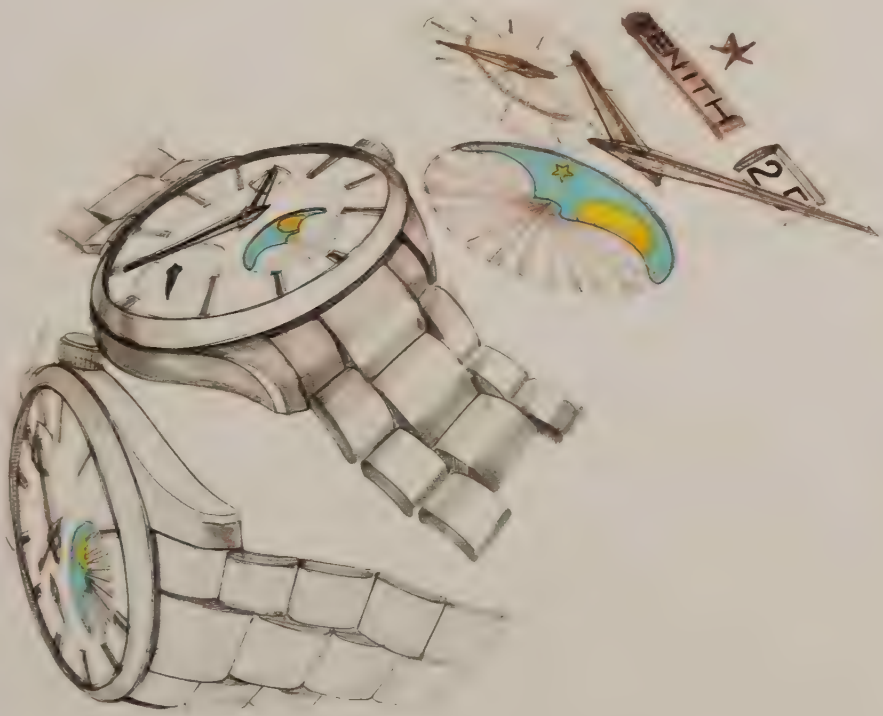
PHASE

H
28
LUNE

1905
First ZENITH Moonphase movement

Captain Moonphase

After the on-board chronometer, the stars were the sailors' second allies. From their position in the sky, the ship's latitude was calculated. With the aid of the two coordinates of longitude and latitude, the captain was able to find his position and to define the precise course to follow to reach his destination. The ZENITH moonphase model reproduces on its dial the various stages of the lunar cycle – new moon, first quarter, full moon, last quarter. The moonphase function was already integrated into ZENITH'S pocket watches. This function is displayed in an aperture at six o'clock and the date is displayed at half past one. The Captain Grand Date Moonphase is available in two versions, with a silver "Clou de Paris" guilloché dial in a steel or 18-carat rose gold case.



Captain Moonphase

18.2140.691/02.C498

Rose Gold case with Silver Guilloché dial
Brown Alligator strap
Rose Gold pin buckle

MOVEMENT
Elite 691, Automatic
Calibre: 11½ ``` (Diameter: 25.60 mm)
Thickness: 5.67 mm
Components: 228
Jewels: 27
Frequency: 28,800 VpH – (4 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
Grande Date at 1 o'clock
Moonphase at 6 o'clock

CASE, DIAL & HANDS
Material: 18-carat Gold
Diameter: 40 mm
Diameter opening: 34.45 mm
Crystal: Curved Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 5 atm
Dial: Silver Guilloché
Indexes: Rhodium Faceted with Gold Plating
Hands: Rhodium Faceted with Gold Plating

ZENITH
45
30
PHASE DE LUNE

Captain Moonphase

22.2140.691/02.C498

Rose Gold case with Diamonds
Silver Guilloché dial
Brown Alligator strap
Rose Gold pin buckle

22.2140.691/02.C498

Rose Gold case with Diamonds
Silver Guilloché dial
Brown Alligator strap
Rose Gold pin buckle

03.2140.691/02.C498

Steel case with Silver Guilloché dial
Brown Alligator strap
Stainless Steel pin buckle

ZE
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SWISS

RESERVE DE MARCHE
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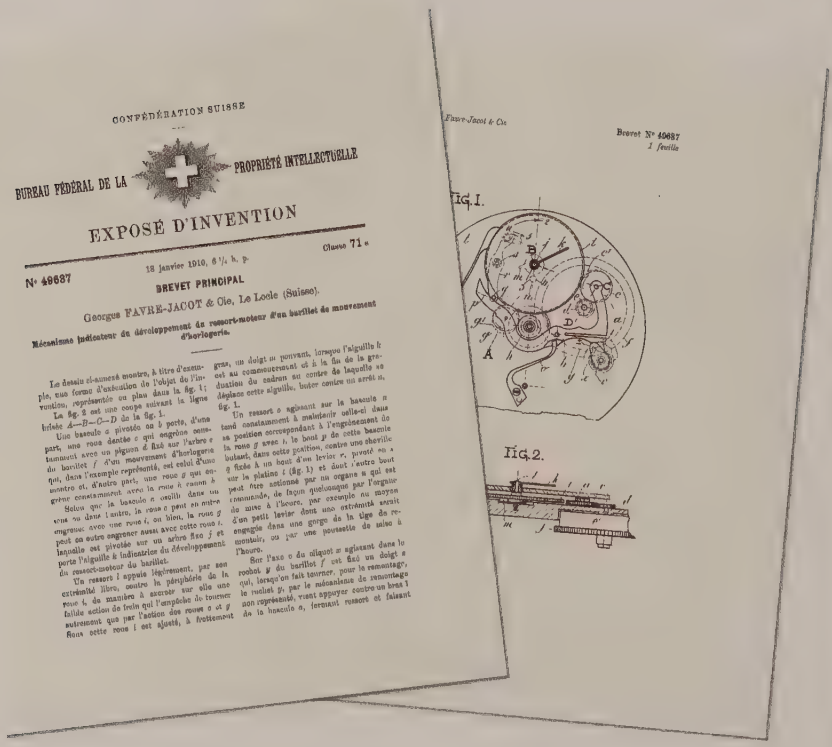


CONFÉDÉRATION SUISSE

BUREAU FÉDÉRAL DE LA PROPRIÉTÉ INTELLECTUELLE

EXPOSÉ D'INVENTION

N° 49637 — 18 janvier 1910, 8 ¼ h. p. — Classe 71 e

BREVET PRINCIPAL

Georges FAVRE-JACOT & Cie, Le Locle (Suisse).

Réveille-matin indicateur du développement du ressort-moteur d'un barillet de mouvement d'horlogerie.

Le dessin ci-annexé montre, à titre d'exemple, une forme d'exécution de l'objet de l'invention, représentée en plan dans la fig. 1; la fig. 2 est une coupe suivant la ligne brisée A—B—C—D de la fig. 1.

Une bascule a pivotée en b porte, d'une part, une roue décrite c qui engrène constamment avec un pignon d fixé sur l'arbre e du barillet f d'un mouvement d'horlogerie qui, dans l'exemple représenté, est celui d'une montre et, d'autre part, une roue g qui engrène constamment avec la roue h venue à corps ou dans l'autre, la roue g peut en outre engrener aussi avec cette roue i, ou bien, la roue g peut en outre engrener aussi avec cette roue i, bascule est pivotée sur un arbre fixe j et porte l'aiguille k indicatrice du développement du ressort-moteur du barillet.

Un ressort l appuie légèrement, par son extrémité libre, contre la périphérie de la roue i, de manière à exercer sur elle une faible action de frein qui l'empêche de tourner autrement que par l'action des roues c et g. Avec cette roue i est ajusté, à frottement gras, un doigt m pouvant, lorsque l'aiguille k est au commencement et à la fin de la graduation du cadran qu'elle se déplace cette aiguille, butter contre un arrêt n, fig. 1.

Un ressort o agissant sur la bascule a tend constamment à maintenir celle-ci dans sa position correspondant à l'engrènement de la roue g avec h, le bout p de cette bascule balance, dans cette position, contre une cheville q fixée à un bout d'un levier r, pivoté en s sur la platine t (fig. 1) et dont l'autre bout peut être actionné par un organe u qui est commandé, de façon quelconque par l'organe du mise à l'heure, par exemple au moyen d'un petit levier dont une extrémité serait engagée dans une gorge de la tige de remontoir, ou par une poussette de mise à l'heure.

Sur l'axe o du cliquet x agissant dans le rochet y du barillet f est fixé un doigt z qui, lorsqu'on fait tourner, pour le remontage, le rochet y, par le mécanisme de remontage non représenté, vient appuyer contre un bras 1 de la bascule a, forçant ressort et faisant

Favre-Jacot & Cie — Brevet N° 49637 — 1 feuille

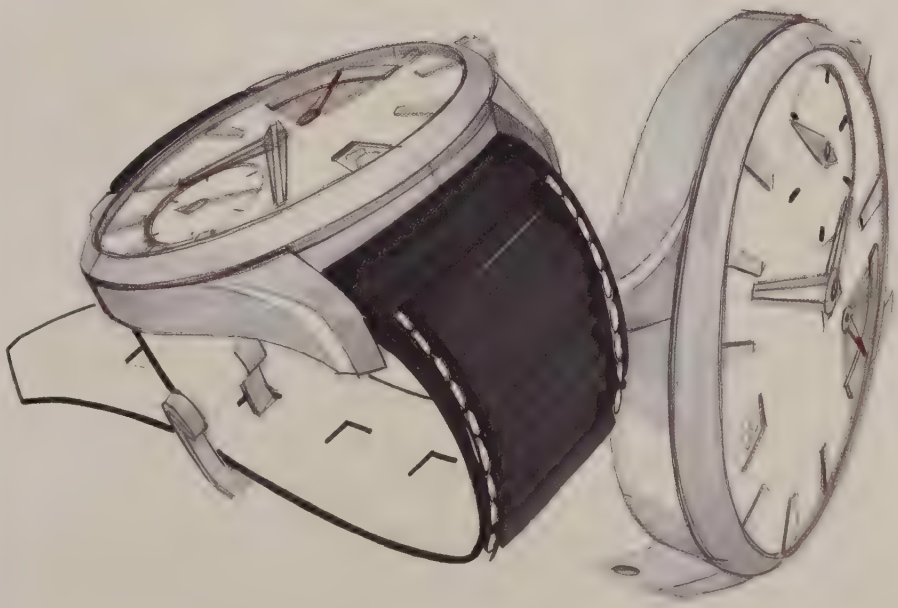
Fig. 1.

Fig. 2.

1910
First ZENITH Power Reserve watch
(the original patent)

Captain Power Reserve

The power reserve was one of the vital functions of marine chronometers upon which the precise calculation of longitude depended. On board, this instrument was treated with exceptional care; the survival of the whole crew depended on its precision. For the person in charge of its maintenance, the power reserve function meant that the rewinding could be optimised by knowing the precise tension of the barrel spring. This useful function appeared very early in the history of the ZENITH Manufacture, which registered an initial patent as early as 1910 to protect this exclusive system. The Captain Power Reserve is equipped with an ultra-thin movement only 4.675 mm thick, with the power reserve indicator positioned at two o'clock and the date at six o'clock. This timepiece is available in three versions with a silver or black "Clou de Paris" guilloché dial, in a steel case or with a silver dial in an 18-carat rose gold case.



Captain
Power Reserve

18.2120.685/02.C498

Rose Gold case with Silver Guilloché dial
Brown Alligator strap
Rose Gold pin buckle

MOVEMENT
Elite 685, Automatic
Calibre: 11½ ``` (Diameter: 25.6 mm)
Thickness: 4.67 mm
Components: 179
Jewels: 38
Frequency: 28,800 VpH – (4 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
Power Reserve at 2 o'clock
Date at 6 o'clock

CASE, DIAL & HANDS
Material: 18-carat Rose Gold
Diameter: 40 mm
Diameter opening: 34.45 mm
Crystal: Curved Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 3 atm
Dial: Silver Guilloché
Indexes: Rhodium Faceted with Gold Plating
Hands: Rhodium Faceted with Gold Plating

ZENITH
60
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8

Captain
Power Reserve

65.2120.685/91.C493

White Gold case with Slate Grey sunray dial
Black Alligator strap
White Gold pin buckle

16.2120.685/02.C498

Steel case with Diamonds
Silver Guilloché dial
Brown Alligator strap
Stainless Steel pin buckle

03.2120.685/02.C498

Steel case with Silver Guilloché dial
Brown Alligator strap
Stainless Steel pin buckle

03.2120.685/22.C493

Steel case with Black Guilloché dial
Black Alligator strap
Stainless Steel pin buckle

22
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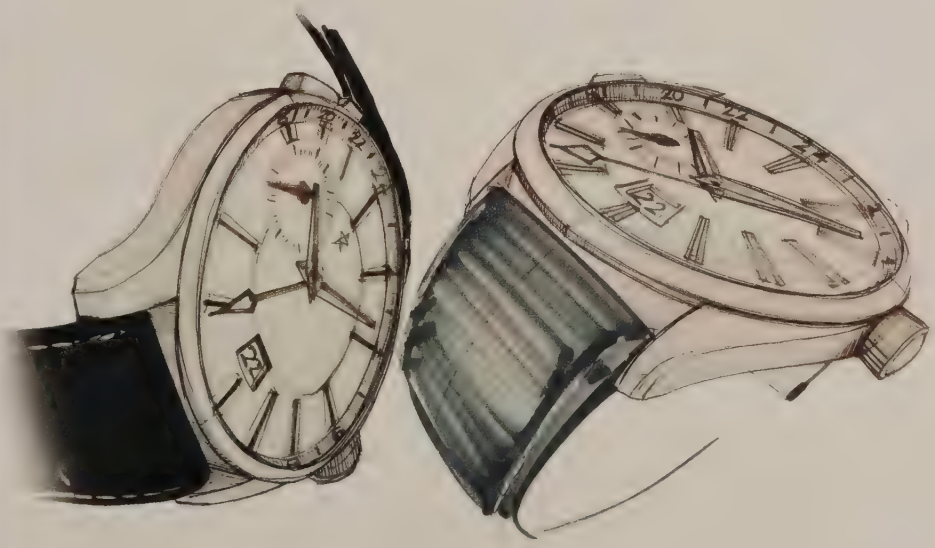
ZENITH
SWISS MADE
NEW YORK
BRASILIA
B. AIRES
MEXICO
DENVER
LOS ANGELES
DAWSON
HAWAI
MIDWAY
AUCKLAND
SYDNEY
TOKYO
BANGKOK
CALCUTTA
HONG-KONG
PARIS
LE CAIRE
GREENWICH
CANARIES
AÇORES

CAPTAIN DUAL TIME

Let us leave the oceans for a moment to explore navigation in the air. Watches equipped with the GMT function are the direct descendants of the conquest of the skies. In 1955, ZENITH presented a multi-time-zone watch intended for air pilots; this model was inspired by ZENITH'S aerial navigation instruments that had been integrated into the dashboards of cockpits since 1920. The Captain Dual Time model is equipped with a GMT hand with a different design, with a blue pointer that ensures optimal readability. This hand is set using a push-piece at 10 o'clock. This mechanism makes it possible to adjust the second time zone with a simple gesture, without risking disturbing the time on the watch. The Captain Dual Time is available in two versions with a silver or black "Clou de Paris" guilloché dial, in a steel case, with a metal bracelet or alligator-skin strap.



Captain Dual Time

03.2130.682/22.C493

Steel case with Black Guilloché dial
Black Alligator strap
Stainless Steel pin buckle

MOVEMENT
Elite 682, Automatic
Calibre: 11½ ``` (Diameter: 25.60 mm)
Thickness: 3.94 mm
Components: 158
Jewels: 26
Frequency: 28,800 VpH – (4 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
24-Hour second Time Zone indicator
Date indicator at 6 o'clock

CASE, DIAL & HANDS
Material: Stainless Steel
Diameter: 40 mm
Diameter opening: 34.45mm
Crystal: Curved Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 5 atm
Dial: Black Guilloché
Indexes: Rhodium Faceted
Hands: Rhodium Faceted

ZENITH
EQUACHRON

Captain Dual Time

03.2130.682/02.C498

Steel case with Silver Guilloché dial
Brown Alligator strap
Stainless Steel pin buckle

18.2130.682/02.C498

Rose Gold case with Silver Guilloché dial
Brown Alligator strap
Rose Gold pin buckle

ZENITH
DUAL TIME
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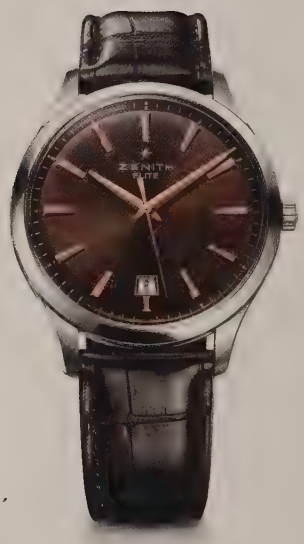
Captain
Central Second



03.2020.670/76.C498

Steel case with Brown Sunray dial
Brown Alligator strap
Stainless Steel pin buckle

MOVEMENT
Elite 670, Automatic
Calibre: 11½ ''' (Diameter: 25.6 mm)
Thickness: 3.47 mm
Components: 144
Jewels: 27
Frequency: 28,800 VpH – (4 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Central seconds Hand
Date at 6 o'clock

CASE, DIAL & HANDS
Material: Stainless Steel
Diameter: 40 mm
Diameter opening: 34.45 mm
Crystal: Curved Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 5 atm
Dial: Silver or Black Sunray
Indexes: Rhodium Faceted with Gold Plating
Hands: Rhodium Faceted with Gold Plating

ZENITH
ELITE

Captain
Central Second

18.2020.670/01.C498

Rose Gold case with Silver Sunray dial
Brown Alligator strap
18-carat Rose Gold pin buckle

03.2020.670/01.C498

Steel case with Silver Sunray dial
Brown Alligator strap
Stainless steel pin buckle

51.2020.670/01.M2020

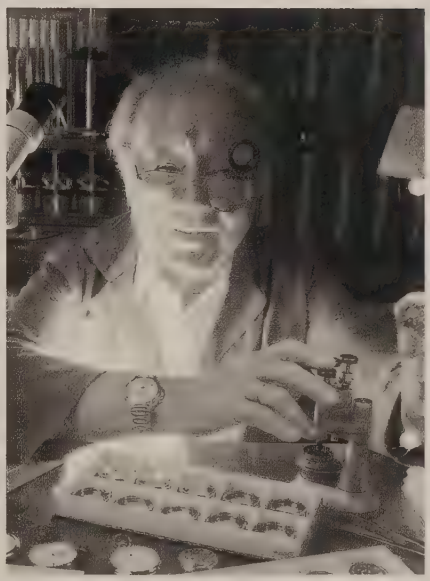
Steel and Rose Gold case
Silver Sunray dial
Steel & Rose Gold bracelet
Stainless steel triple folding buckle

03.2020.670/21.M2020

Steel case with Black Sunray dial
Metal Bracelet
Stainless steel triple folding buckle

A watchmaker attempted to reason with the American head office but without success. The order was to be executed without delay and the metal – along with a centuries-old tradition – to be sold to the highest bidder. Charles Vernier simply could not face the thought of seeing his production equipment destroyed. At the risk of his job, he began hiding essential tools and components. A meticulous man by nature, Charles Vernier carefully listed, categorised and protected the cams, cutting tools, punches and machines, and recorded the entire production process in a notebook.

Charles Vermot
A heroic watchmaker saved the production tools and equipment from the scrapyard



Saving the El Primero

The history of the El Primero might have ended abruptly in 1975. That was when the American company that had owned the brand for the past four years decided to stop making mechanical watches and to stick to quartz watches. The decision was irrevocable and the owner intended to negotiate a scrapyard price for all the machines, calibres and tools. A watchmaker attempted to reason with the American head office, but without success. The order was to be executed without delay and the metal – carrying with it a century of tradition – to be sold by the ton to the highest bidder. Charles Vermot simply could not face the thought of seeing his production equipment destroyed. At the risk of his job, he began hiding essential tools and components.

A meticulous man by nature, Charles Vermot labelled, listed, categorised and protected the cams, cutting tools, presses and machines, and recorded the entire production process in a notebook. If the mechanical movement were one day to ensure renewed favour, the El Primero could thus be miraculously reborn. And the miracle did indeed take place, barely nine years later. One fine morning, the entire set of lost equipment was back in place. Without this courageous act, the brand's very survival would have been in jeopardy. In the early 1980s, a press alone cost over 40,000 francs and it takes over 150 of them to make an El Primero – meaning a total of 7 million Swiss francs. ZENITH's financial, technical and human investments could thus have been swept aside in one stroke.

Several famous brands then began looking to ZENITH to supply their movements. The flow of orders breathed new life into the Manufacture. In 1999, the brand was taken over by the LVMH group, which decided to reserve the El Primero for ZENITH timepieces.

03.2012.681/51.C503

Steel case with Blue Sunray dial
Blue Alligator strap
Steel pin buckle

03.2116.400/51.C700

Steel case with Blue Sunray dial
Blue Alligator strap
Stainless Steel pin buckle
LIMITED EDITION 1975 PIECES

03.2041.400/51.C496

Steel case with Blue Sunray dial
Black Alligator strap
Stainless Steel pin buckle
LIMITED EDITION 1975 PIECES

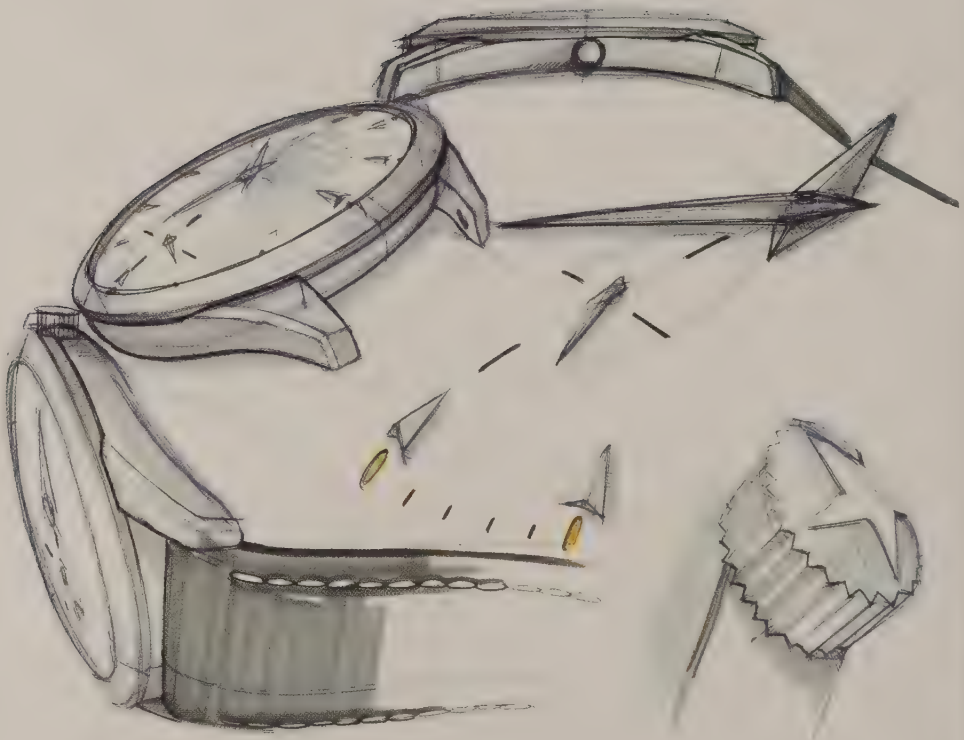
03.2051.4035/51.C715

Steel case with Blue Sunray dial
Blue Alligator strap
Stainless Steel triple folding buckle
LIMITED EDITION 250 PIECES

ZE
SWISS

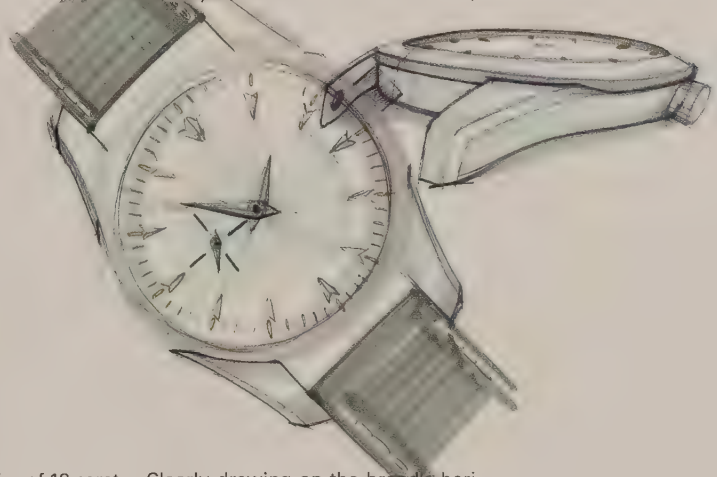
TH
DE

This classically handsome [illegible]
new ultra-thin 40 mm [illegible]
the ideally suited extra-slim [illegible]
681 automatic calibre, [illegible]
tions per hour (4 Hz) and [illegible]
power reserve.



ZENITH Heritage Ultra Thin The timeless beauty of true classicism

This classically handsome model features a new ultra-thin 40 mm-diameter case housing the ideally suited extra-slim (3.81 mm) Elite 681 automatic calibre, beating at 28,800 vibrations per hour (4 Hz) and ensuring a 50-hour power reserve. restrained dial is available in silver, black, slate-grey sunray or white-lacquered versions, as well as three limited editions (brown sunray, silver sunray with diamond hour-markers and black sunray with diamond hour-markers).



The case comes in a choice of 18-carat rose gold or stainless steel, while the sapphire crystal case-back provides a fascinating view of the movement with its tungsten oscillating weight adorned with a "Côtes de Genève" pattern.The domed sapphire crystal has an anti-reflective coating on both sides to enhance readability of the faceted hour-markers, sword-shaped hours and minutes hands as well as small seconds at 9 o'clock. This admirably

Clearly drawing on the brand's heritage of mechanical movements and pure, uncluttered designs, the Elite 681 Ultra Thin is fitted with a black or brown alligator-skin strap that is rubber-lined to enhance wearing comfort and equipped with an 18-carat rose gold or stainless steel pin buckle. It provides eloquent confirmation that understated elegance and aesthetic purity are truly timeless values.

ZENITH Heritage Ultra Thin

18.2010.681/01.C498

Rose Gold case with Silver Sunray dial
Brown Alligator strap
18-carat Rose Gold pin buckle

MOVEMENT
Elite 681, Automatic
Calibre: 11½ ``` (Diameter: 25.6 mm)
Thickness: 3.47 mm
Components: 128
Jewels: 27
Frequency: 28,800 VpH – (4 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern

FUNCTIONS
Hours and minutes in the centre
Small second at 9 o'clock

CASE, DIAL & HANDS
Material: 18-carat rose gold
Diameter: 40 mm
Diameter opening: 34.45 mm
Crystal: Curved Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 5 atm
Dial: Silver Sunray
Indexes: Rhodium Faceted with Gold Plating
Hands: Rhodium Faceted with Gold Plating

ZENITH

ZENITH Heritage Ultra Thin

18.2010.681/21.C493

Rose Gold case with Black Sunray dial
Black Alligator strap
18-carat Rose Gold pin buckle

18.2010.681/11.C498

Rose Gold case with White Lacquered dial
Brown Alligator strap
18-carat Rose Gold pin buckle

18.2010.681/11.C498

Rose Gold case with White Lacquered dial
Brown Alligator strap
18-carat Rose Gold pin buckle

ZENITH Heritage Ultra Thin

03.2010.681/11.C493

Steel case with White Lacquered dial
Black Alligator strap
Stainless steel pin buckle

03.2010.681/01.C493

Steel case with Silver Sunray dial
Black Alligator strap
Stainless steel pin buckle

03.2010.681/91.C493

Steel case with Slate-grey Sunray dial
Black Alligator strap
Stainless Steel pin buckle

03.2010.681/21.C493

Steel case with Black Sunray dial
Black Alligator strap
Stainless steel pin buckle

ZENITH Heritage New Vintage 1965

MOVEMENT
Elite 670, Automatic
Calibre: 11½ ``` (Diameter: 25.60 mm)
Thickness: 3.47 mm
Components: 128
Jewels: 27
Frequency: 28,800 VpH – (4 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern

FUNCTIONS
Hours and minutes in the centre
Central seconds hand
Date at half past four

CASE, DIAL & HANDS
Material: Stainless Steel
Dimensions: 32 x 32 mm
Diameter opening: 27 x 27 mm
Crystal: Curved Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 3 atm
Dial: Slate-grey Sunray
Indexes: Hand-mounted applied in Rhodium
Hands: Faceted in Rhodium

03.1965.670/91.C591

Steel case with Slate-Gray Sunray dial
Black Alligator strap
Stainless Steel pin buckle

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Port Royal

A name that single-handedly conjures up the spirit of classicism in its purest possible form. In tribute to this prestigious cradle of culture that played such a prestigious role in the history of art, literature and science, ZENITH has named several lines of wristwatches after it since the 1920s.

PORT ROYAL

La dernière création ZENITH porte un nom glorieux entre tous : « PORT-ROYAL ». Ce chronomètre luxueux, classique, est digne de la plus belle tradition horlogère. Il est digne aussi de son parrainage.

Port-Royal, en effet, a été l'un des foyers du classicisme.

Des maîtres éminents y ont professé. Pascal, Racine, doivent une part de leur génie à l'esprit de Port-Royal : vigueur, recherche, élégance de la pensée et du style.

Les Fabriques ZENITH sont un des foyers de la chronométrie. Elles ont à la fois renouvelé et maintenu la tradition horlogère. Semblables aux solitaires de Port-Royal, ces techniciens et ces régleurs ont rivalisé de science et de conscience. Ils ont obtenu aux Observatoires des résultats de précision jamais égalés.

Le chronomètre « PORT-ROYAL » marque une époque nouvelle de l'horlogerie suisse. Il illustrera demain la synthèse de la qualité et de l'élégance !

ZENITH

ZENITH Heritage *Port Royal*
Classical perfection

Port-Royal: a name that single-handedly conjures up the spirit of classicism in its purest possible form. In tribute to this prestigious cradle of culture that played such a prestigious role in the history of art, literature and science, ZENITH has named several lines of wristwatches after it since the 1920s. This name has accompanied high-end watches in the 1950s and 1960s, and subsequently various timepieces that were particularly innovative in terms of their shape. The Manufacture in Le Locle is now picking up this distinguished signature for a classic timepiece featuring elegantly understated lines.

In the 17th century, Port-Royal, a site located to the south of Paris, gave rise to a style that was both restrained and vigorous, stripped of any futile ornamentation in order to highlight the pure beauty of shapes and materials. It is this spirit that is reflected in the lines of the new ZENITH Port Royal creation: an 18-carat pink gold case measuring 38 mm in diameter harmoniously complemented by a silver-toned dial; three baton-shaped hands and long hour-markers. Only the date window offset at 3 o'clock subtly defies the overall symmetry.

This ZENITH Port Royal timepiece is, however, not merely the epitome of aesthetic restraint: it is first and foremost a fine piece of mechanical horology. The Calibre 2572 powering it was developed in 1972 in the ZENITH workshops and has been made in-house ever since. The movement incorporates a bidirectional winding system and an instant-jump date display. This exceptionally accurate mechanism belongs to the category of thin calibres, with a diameter of 25.6 mm (11½ lines). The ZENITH Manufacture is now drawing upon its rich technical heritage in reviving this historical movement. The magic of its smooth running may be admired through the sapphire crystal case-back.

Representing a period of equilibrium and perfection in the arts, classicism aimed to bequeath flawless works capable of defying time. With this Port Royal model inspired by the noblest values of classical aesthetics and endowed with the reliability of a tried and tested calibre as well as pure, refined lines, ZENITH is offering a timepiece with a pared-down, uncluttered design that bears eloquent testimony to its rich horological heritage.

ZENITH Heritage Port Royal

18.5000.2572PC/01.C498

Rose Gold case with Silver dial
Brown Alligator strap
Rose Gold pin buckle

MOVEMENT
Calibre 2572PC, Automatic
Calibre: 11½ ``` (Diameter: 25.6 mm)
Thickness: 5.63 mm
Components: 110
Jewels: 17
Frequency: 28,800 VpH – (4 Hz)
Power reserve: min. 48 hours
Finishes: Heavy Metal oscillating weight

FUNCTIONS
Hours and minutes in the centre
Central seconds hand
Date at 3 o'clock

CASE, DIAL & HANDS
Material: 18-carat Rose Gold
Case Diameter: 38 mm
Opening Diameter: 32.40 mm
Crystal: Curved Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 5 atm
Dial: Silver
Indexes: Rhodium Faceted with Gold Plating
Hands: Rhodium Faceted with Gold Plating

ZENITH
AUTOMATIC

By offering two lines with [illegible]
nality, the ZENITH Manufacture [illegible]
full spectrum of feminine [illegible]
will find in them a reflection of the [illegible]
of their own personal style. [illegible]
preferences.

ZENITH and the two faces of femininity

By offering two lines with a forceful personality, the ZENITH Manufacture covers the full spectrum of feminine nuances: women will find in them a reflection of the diversity of their own personal styles, lifestyles and preferences. They will thus be able to choose to highlight the feminine or masculine, "solar" or "lunar" sides of their nature, as well as their sensitivity or their energy. The world of fine watchmaking, dominated by the quest for performance, is often associated with the masculine world. But women are not immune to its charms, for how else can one explain the fact that they so often enjoy borrowing, wearing or even outright adopting the watches of the men in their lives? Two lines are nonetheless especially dedicated to them: El Primero 36'000 VpH in a 38 mm diameter, and Ultra Thin Moonphase. Which of course needn't prevent them from continuing to tap into the men's collections...

ZENITH is engaged in an enduring love story with women, revealed through its ability to remain attentive to their expectations and to design models combining horological expertise and aesthetic refinement. In the early 20th century, the ladies' watches made by the Manufacture were very much like genuine jewellery creations: ring watches, châtelaine watches worn on chains, medallion watches and pendant watches, enhanced with diamonds and other precious stones, enamels and pearls, and decorated

in Art Nouveau or Art Deco style. A collection created in the 1910s caused a sensation: the case was cut from a semi-precious stone such as agate and tourmaline, or crafted in mother-of-pearl. Beyond the attention devoted to the decoration of these models, they also testify to the complete mastery of movement miniaturisation such as only a genuine Manufacture is able to achieve. Brand devotees include Countess Anna de Noailles, a poetess and friend of Proust and Cocteau, who wrote in 1912 regarding her ZENITH timepiece: "...The delightful and salutary agate surrounds the most practical and pleasant little dial I know." That is no mean compliment, especially coming from such an acknowledged arbiter of elegance and good taste. Admired by authors, politicians and scholars, Anna de Noailles was the first woman to be named Commander of the Legion of Honour and the first to be inducted into the Académie Royale de Belgique. At the peak of her fame, she was awarded the "Grand Prix" of literature by the Académie française.

This two-fold concern for high technical standards and for beauty continues to inspire the ZENITH master-watchmakers in creating watches dedicated to women. The Ultra Thin Lady Moonphase watch radiates exquisitely feminine elegance with its ultra-thin 33 mm-diameter case in steel, pink or white gold; and a dial in a sparkling variety of versions: sunburst blue or chestnut brown, guilloché silver-toned, white mother-of-pearl or sprinkled with 473 diamonds. The Lady Moonphase comes in 12 different models, some graced by a bezel set with 72 diamonds. Such a sophisticated approach to decoration and jewellery aspects nonetheless implies no compromise on the watchmaking side: these timepieces are driven by a self-winding Elite 692 calibre and are also equipped with an extremely feminine complication in the shape of a moon-phase display at 6 o'clock.

Nonetheless, women are endowed with rich and complex personalities, which also include a sportier and even masculine side; they can also take a passionate interest in fine mechanisms, technology and performance. That is why has ZENITH created the El Primero 36'000 VpH in a 38 mm-diameter version, an automatic chronograph equipped with the exclusive El Primero movement – the world's most accurate series-produced calibre beating at 36,000 vibrations per hour. With its sporty lines, its steel or rose gold finish with or without gem-setting, its midnight blue or anthracite dial and its tachymetric scale, it might almost be taken for a man's watch – but adapted to a feminine wrist, since the bezel has been reduced to a daintier 38 mm diameter. Don't leave it on your nightstand with the keys to your coupé sports car – your husband might be tempted to "steal" both!

ZENITH Heritage Ultra Thin Lady Moonphase

22.2310.692/81.C709

Rose Gold case with Diamonds
MOP dial with Diamonds
Shiny Brown Alligator strap
18-carat Rose Gold pin buckle

MOVEMENT
Elite 692, Automatic
Calibre: 11½ ``` (Diameter: 25.60 mm)
Thickness: 3.97 mm
Components: 195
Jewels: 27
Frequency: 28,800 VpH – (4 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Grain d'Orge" pattern

FUNCTIONS
Hours and minutes in the centre
Small seconds hand at 9 o'clock
Moonphase at 6 o'clock

CASE, DIAL & HANDS
Material: 18-carat rose gold
Diameter: 33 mm
Diameter opening: 28.30 mm
Crystal: Curved Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 3 atm
Dial: White mother-of-pearl with Diamonds
Hands: Rhodium faceted with Gold plating

ZENITH
AUTOMATIC
60
45
15
30
SWISS MADE

18.2310.692/81.C709

Rose Gold case
MOP dial with Diamonds
Shiny Brown Alligator strap
18-carat Rose Gold pin buckle

18.2310.692/02.C709

Rose Gold case
Silver Guilloché dial
Shiny Brown Alligator strap
18-carat Rose Gold pin buckle

22.2310.692/75.C709

Rose Gold case with Diamonds
Brown Sunray dial
Shiny Brown Alligator strap
18-carat Rose Gold pin buckle

18.2310.692/75.C709

Rose Gold case
Brown Sunray dial
Shiny Brown Alligator strap
18-carat Rose Gold pin buckle

16.2310.692/02.C706

Stainless Steel case with Diamonds
Silver Guilloché dial
Shiny Grey Alligator strap
Stainless Steel pin buckle

16.2310.692/81.C706

Stainless Steel case with Diamonds
White MOP dial with Diamonds
Shiny Grey Alligator strap
Stainless Steel pin buckle

16.2310.692/51.C705

Stainless Steel case with Diamonds
Blue Sunray dial
Shiny Blue Alligator strap
Stainless Steel pin buckle

45.2310.692/81.C717

White Gold case with Diamonds
Full set Diamonds dial
Black Satin strap
18-carat White Gold pin buckle

El Primero
36'000 VpH – 38 mm

22.2151.400/81.C709

Rose Gold full "pavé" Diamonds case
White Mother of Pearl dial
with Diamonds Indexes
Shiny Brown Alligator strap
Rose Gold pin buckle

MOVEMENT
El Primero 400, Automatic
Calibre: 13¼ ``` (Diameter: 30 mm)
Thickness: 6.60 mm
Components: 278
Jewels: 31
Frequency: 36,000 VpH – (5 Hz)
Power reserve: min. 50 hours
Finishes: Heavy Metal oscillating weight with "Côtes de Genève" pattern.

FUNCTIONS
Hours and minutes in the centre
Small seconds at 9 o'clock
Date indicator at 4:30 o'clock
3-counter Chronograph:
12-hour counter at 6 o'clock
30-minute counter at 3 o'clock
Central Chronograph hand
Tachymeter Scale

CASE, DIAL & HANDS
Material: 18-carat Rose Gold with Diamonds
Case Diameter: 38 mm
Opening Diameter: 33.10 mm
Crystal: Box-form Sapphire glass with anti-reflection treatment on both sides
Case-back: Transparent Sapphire glass
Water-resistance: 10 atm
Dial: White Mother of Pear with Diamonds
Hands: Rhodium Faceted with Gold plating with Superluminova SLN C1

TACHYMETER
ZENITH
EL PRIMERO
36 000 VpH
AUTOMATIC

22.2150.400/75.C709

Rose Gold case, bezel and lugs
set with Diamonds
Brown Sunray dial
Shiny Brown Alligator strap
Rose Gold pin buckle

18.2150.400/21.C709

Rose Gold case with Anthracite dial
Shiny Brown Alligator strap
Rose Gold pin buckle

03.2150.400/21.C706

Steel case with Anthracite dial
Shiny Grey Alligator strap
Stainless Steel pin buckle

03.2150.400/51.C705

Steel case with Blue Sunray dial
Shiny Blue Alligator strap
Stainless Steel pin buckle

At ZENITH, every detail results from [illegible] nical, functional and aesthetic [illegible] reflects the meticulous finish of [illegible] pieces. There are many such details [illegible] to the movement, the case [illegible]

ZENITH
The art of detail

At ZENITH, every detail results from a technical, functional and aesthetic quest that reflects the meticulous finish of our timepieces. There are many such details, applying to the movement, the case and the dial. Here we present applications of our watchmaking expertise:

Case
Both a part of the design and a sheath protecting the movement, the ZENITH case is a typical component of the architecture of our timepieces. Its lines, proportions and finish clearly determine the personality of an instrument for the measurement of time. The El Primero collection's cases are inspired by one of the make's emblematic pieces, the 1969 model. The band around the case is fashioned by double presswork that develops a curve both along the length and on the depth. The horns are beveled and the finish juxtaposes a satin polish on the upper face and a mirror polish on the bevel and case band. By playing with light, the subtle play of shadow and radiance brings the surface to life. The bezel is fine and unobstructed, thus creating the openness of the dial. By doing so, ZENITH provides extra light which increases readability. The shapes are pure, but always subject to the watchmaking functions and, above all, the prime requirement: accuracy.

Button shield
The button shield is concave – machined in the shape of an upturned barrel. Its function is valuable as – by giving more room for the finger – it makes the crown easier to handle.

Dials
If the case is the embodiment of muscle, the dial alludes to the face. This is the most visible part of the watch, the part that gives a large share of the identity and feelings experienced. Like the face, the dial conveys at the surface internal strength and sophistication. ZENITH dials really are works of art. The dial on the striking 10th gives a flat surface with a linked flange on which the 10ths of a second are read. A sunray decoration radiates from its surface, from the centre to the peripheral graduation ring. The three subdials have an azure decoration, three different colors and a circular, satin-finish peripheral reading ring. An additional operation, creaming, has the dual purpose of lessening the reflective aspect while emphasising the precious appearance of the instrument. Other dials, in particular on the Captain, are convex, which has an overall softening effect and brings watches from the fifties and sixties to mind; the finish is richer. If the dial is convex, the 11 numerals have to be too. Eleven big numerals – the date

window replaces one of them – twelve small ones and a faceted star, making twenty-four related components adjusted, individually, by hand on the dial. The Christophe Colomb model is hand-decorated with a guilloché pattern. This ancient technique is one of the most difficult to master as it requires two separate movements to be perfectly coordinated. With one hand, the craftsman turns the handle that rotates the dial, and with the other he controls the pressure applied by the graver. The lines thus drawn on the surface reflect his dexterity, accuracy and sensitivity. Guilloché work refracts light stunningly.

Sapphire glasses

In order to see the magic of the moving Calibre, ZENITH timepieces have sapphire glasses above and below. The glasses are anti-reflection treated on both sides. The openness of the back has been increased to extend the view of these exceptional power trains. The skeletonised oscillating weight also enables the details of the movement to be admired. The upper glass on the different models in the El Primero collection is convex. In addition to its aesthetic

qualities, the convex curve allows additional light to enter from the sides. The great clarity of the dial, the fine bezel and the curve of the glass are the three components that combine to give intense luminosity to the dial and hands of ZENITH timepieces.

Decoration and finishes

Here, too, time-honored techniques are used for the finish and decoration of the movements. Circular-graining is a technique that consists of making circles with concentric lines very close together, or even touching one another. It ornaments the bridges and main plates. The "Côtes de Genève" are decorated with wavy lines that are completely regular, recalling the waves of a lake. Lastly, bevelling is a finishing technique that consists of rounding and polishing the angles. No machines are able to compete with the accuracy of this meticulous work done by the craftsman's hand.

Triple folding buckle

This system is both comfortable to wear and closes securely. It relies on a mechanism that is operated by two buttons on the side. When moved forwards, then rotated upwards,the fastener opens and you can take your precious timepiece off. The strap sits in the jaw of the mechanism for an initial adjustment of the length. Seven slots then allow extremely accurate, comfortable adjustment. The triple folding buckle is fitted to the steel and rubber strap. A variant has been developed for leather straps: the buckle includes a stud that fixes in the holes of the strap.

Pin buckle

The pin buckle takes its name from the little pin that goes through the hole in the strap, then stops against the metal of the cover. This type of buckle is the lightest and is often preferred for slim watches. The ZENITH star is repeated on the buckle cover.

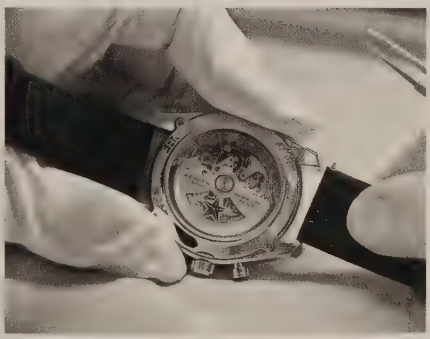
Alligator straps

Alligator skin is considered to be the prince of leathers, a rare, precious material with an exceptionally long life. The skins are imported from Louisiana then tanned in France in workshops using artisanal expertise. ZENITH straps are composed of three separate layers; an upper alligator skin section, a flexible central leather core and an inner calfskin lining. For extra comfort, the lining – in contact with the skin – has a "rubber"-type finish that gives an exceptionally silky feel. The central structure is designed to make the strap highly flexible, from the very first time it is worn. The visible outer that shows the marked relief of the alligator scales adds extra character to ZENITH timepieces.

Guarantee and Maintenance

Guarantee
ZENITH watches are high-precision, high-technology Manufacture products. Before leaving the workshops, your watch has undergone a number of rigorous quality tests. An international guarantee does, nonetheless, cover your watch for any manufacturing defects over a period of two years, with effect from the date of purchase.

Sign up on the
www.zenith-watches.com
website in order to obtain an extra year's guarantee.



Maintenance

Your ZENITH watch is fitted with a complicated Manufacture movement that has been entirely developed and produced by ZENITH.

ZENITH watches can last for several generations, provided they benefit from the maintenance necessary for their sustainability. Having your ZENITH watch checked regularly helps to preserve its exceptional precision, as well as its appearance.

In order to ensure that the watch functions correctly and to check its water-resistance, regular maintenance is required. ZENITH advises you to have your watch checked and, if necessary, maintenance carried out every three to five years by an authorised service centre.

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